

8-1-1971

Trinity College Bulletin, 1971-1972 (Graduate Studies)

Trinity College

Follow this and additional works at: <http://digitalrepository.trincoll.edu/bulletin>

Recommended Citation

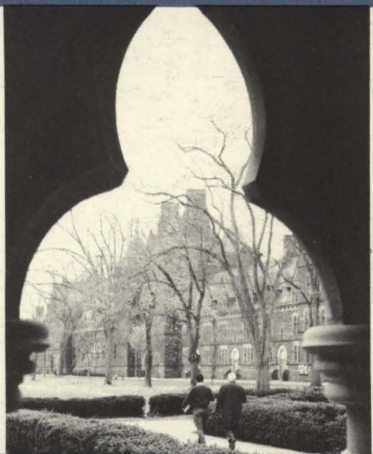
Trinity College, "Trinity College Bulletin, 1971-1972 (Graduate Studies)" (1971). *Trinity College Bulletins and Catalogues*. 295.
<http://digitalrepository.trincoll.edu/bulletin/295>

This Book is brought to you for free and open access by the Trinity serial publications (1850 - present) at Trinity College Digital Repository. It has been accepted for inclusion in Trinity College Bulletins and Catalogues by an authorized administrator of Trinity College Digital Repository.

Trinity College Bulletin

Graduate Studies

SUMMER 1971/ACADEMIC YEAR 1971-1972



Calendar

SUMMER TERM - 1971

June 24, Thursday	Last day to register without late penalty
June 28, Monday	Session I begins
July 29-30	Final examinations for Session I
July 29, Thursday	Last day to register for Session II
August 2, Monday	Session II begins
September 2-3	Final examinations for Session II

Resident students may receive room assignments and keys in Mather Campus Center on Sunday (10 a.m.-8 p.m.) prior to the beginning of each Session.

The final examination schedule for both Sessions is as follows:

- 8:30 courses: final examination Thursday, 9:00-12:00 noon
- 1:30 courses: final examination Thursday, 1:30-4:30 P.M.
- 11:00 courses: final examination Friday, 9:00-12:00 noon
- 3:30 courses: final examination Friday, 1:30-4:30 P.M.

Final examinations in courses meeting for terms other than five weeks in length will be given during the final week of the course on a day designated by the instructor.

CHRISTMAS TERM - 1971

Sept. 8, Wednesday	Graduate Advisers' Pre-Registration Session, 7:00-9:00 p.m., Washington Room, Mather Campus Center
Sept. 9, Thursday	Christmas Term courses begin
Sept. 9, Thursday	Physics Qualifying Exam, 7:00 p.m., McCook Center, Room 102
Sept. 11, Saturday	Economics Qualifying Exam, 10:00 a.m., Williams 301
Oct. 25-29	Undergraduate open period: Graduate classes WILL meet
Nov. 12, Friday	Last day to finish incomplete courses of previous term
Nov. 25-26	Thanksgiving Vacation
Nov. 29, Monday	Classes resume
Dec. 17, Friday	Graduate courses end

TRINITY TERM - 1972

Jan. 19, Wednesday	Trinity Term courses begin
Jan. 31, Monday	Final day for submitting application to receive Master's degree
Feb. 21-25	Undergraduate open period: Graduate classes WILL meet
March 21, Tuesday	Last day to finish incomplete courses of previous term
March 29, Wednesday	Spring Vacation begins (graduate classes WILL NOT meet)
April 17, Monday	Graduate classes resume
May 1, Monday	Final day for submitting theses (signed and graded)
May 12, Friday	Graduate courses end
May 28, Sunday	Commencement Exercises for the 149th Academic Year

Second Class Postage paid at Hartford, Connecticut. Published four times a year, March, May, September and December by Trinity College, Hartford, Connecticut 06106.

VOLUME LXVIII, NUMBER 1

Catalogue No. 240

March 1971

Graduate Studies at Trinity College

The Academic Program

THE Trinity College program of graduate studies provides for the further scholarly development of talented men and women who wish to engage in a program of part-time graduate study.

Courses in the program lead to the degrees of Master of Arts and Master of Science. Men and women who hold the Bachelor's degree may enroll in graduate courses for which they are qualified even though they do not matriculate for the Master's degree.

As a result of its experience since 1927 with part-time graduate study, Trinity has concluded that the following conditions enable graduate students to progress toward a Master's degree which will represent superior accomplishment: *first*, a limited enrollment of students who are capable, mature, highly motivated; *second*, a Faculty of scholar-teachers; *third*, courses which meet for the longest possible time consistent with the efficient use of the student's necessarily limited time; *fourth*, small classes which meet at the College; *fifth*, excellent library facilities; *sixth*, encouragement of independent research; *seventh*, careful counseling of students to undertake in any semester no more courses than they can complete to the best of their ability.

STUDENTS

Men and women who hold the Bachelor's degree may enroll in graduate courses for which they are qualified even though they do not matriculate for the Master's degree. Such persons should consult with the Office of Graduate Studies or the appropriate departmental graduate adviser before registering. They must ordinarily provide a transcript of their undergraduate record at the time of registration.

No student who is employed on a full-time basis, whether or not a candidate for the Master's degree, may in his first term of study at Trinity register for more than one course. In subsequent semesters a limit of two courses is imposed. This rule was established to protect students who might undertake more work than they can accomplish successfully. Students will find that each course requires a large amount

of reading at home or in the library, and most courses will include the preparation of a term paper or report. The Office of Graduate Studies is empowered to adjust these restrictions for students employed less than full time.

Undergraduates matriculated for the Bachelor's degree at Trinity who are entering their junior or senior year and whose records have been outstanding will be permitted to enroll in graduate-level courses, except those numbered at the 600 level. To enroll in these courses an eligible student must have the prior approval of his adviser, of the instructor of the course, and of the Office of Graduate Studies. Undergraduates who are admitted to these courses are expected to complete the same requirements that apply for graduate students.

CANDIDACY FOR THE MASTER'S DEGREE

Trinity grants the Master's degree in economics, education, English, French, history, Latin literature and classical civilization, mathematics, philosophy, physics, political science, and Spanish. Graduate courses in several of these areas are offered in the Trinity Summer Term as well as the regular college year.

Students who expect to work toward a Master's degree and students who are seriously considering study toward this degree are urged to apply as early as possible for matriculation as candidates for the degree. There are two advantages to application prior to, or soon after beginning, graduate study: 1. if the application is not approved the student will be spared the cost of tuition for courses which will not be credited toward a degree; 2. if the application is approved the student can be properly advised on a program of study. All candidates will be expected to complete a minimum of six courses after admission to candidacy.

Applicants are expected to hold a Bachelor's degree from an accredited college. Recent graduates should have earned an average of B (80) in all undergraduate courses and should show greater proficiency in their field of specialization. Less emphasis is placed on the undergraduate standing of applicants whose undergraduate study was completed several years ago, but the professional experience and interests of such applicants will be carefully weighed. All applicants should have a considerable background in the liberal arts and all should have attained facility in the use of English.

Transcripts of all college work must accompany the application form, a copy of which can be obtained from the Office of Graduate Studies. In certain cases applicants may also be asked to submit the results of the Graduate Record Examination or other supporting data. An interview at the Office of Graduate Studies or with the appropriate departmental adviser may be required after all materials pertinent to application have been assembled.

Applications which are completed by April 1 will be considered prior to May 1. Applications completed by November 1 will be considered prior to December 1.

DEGREE REQUIREMENTS

A course, identified by a single number (501 for example), carries one course credit. In those cases identified by a hyphenated number (651-652 for example), the unit of study carries two course credits.

To receive the Master's degree the candidate must complete a minimum of ten courses at the graduate level with satisfactory grades (*see Graduate Grades*). The candidate must demonstrate proficiency in whatever language, if any, his major department specifies. Under certain conditions as many as two courses (six semester hours) from another graduate school will be credited toward the requirements for the Master's degree at Trinity.

It is implicit in the conferral of any earned degree that study toward that degree has assumed an important position in the student's life. Consistent with this implication is the imposition of a time limit within which the requirements for a degree must be completed. At Trinity College the requirements for the Master's degree must be completed within six years from the beginning of study toward the degree. The time limit will be specified in each letter of approval of candidacy. Students who fail to complete the requirements within the designated time may apply for readmission. This second application must be accompanied by a letter which will include a detailed explanation for the failure to complete the requirements within six years. Readmission will not necessarily be granted and, if granted, will normally include a requirement that no more than half of the credit previously earned be applied toward the Master's degree.

TRANSFER CREDIT

Under certain conditions Trinity will accept credit up to a maximum of two courses (six semester hours) of graduate work completed at other accredited institutions: grades received in such courses must meet the minimum standard for graduate study at Trinity ("B-" or higher); and such courses must be considered equivalent to Trinity offerings.

Candidates desiring transfer credit should: 1) submit to the Graduate Office in writing a full course description; 2) provide a written request for transfer credit to the Office of Graduate Studies, preferably in advance of actual registration in the course to be transferred; 3) arrange to have an official transcript of their record sent to the Graduate Office.

THE THESIS AND COMPREHENSIVES

A thesis is required of all candidates in economics, English, history, philosophy and political science, and of some candidates in education. Normally, the thesis is the final project undertaken for completion of degree requirements. When a student has chosen a tentative topic or a particular field of study in which he would like to do his thesis research, he is assigned to a thesis adviser by the chairman of his department. (The chairman may, if he deems it necessary, require of the student evidence of his ability to do scholarly writing before assigning him to an adviser or before forwarding notice of the acceptance of the plan and outline of the thesis project.) After the student has met with his adviser and submitted to him a satisfactory plan and outline for his project, the adviser and the department chairman will indicate their approval by signing the Thesis Approval form entitling the student to register with the Graduate Office for course 651-652 of that department. Course credit for the thesis (two course credits) will be awarded upon its final approval by the adviser and a second reader designated by the chairman of the major department or the Office of Graduate Studies. The thesis, in final form, must be submitted not later than May 1 of the year in which the candidate expects to receive his degree.

A student undertaking to write a thesis should obtain from the Graduate Office a copy of the "Instructions Regarding the Preparation and Submission of Masters' Theses at Trinity College" and should consult his department chairman to learn of the particular procedures which his department requires.

The College and the departments expect that normally a student will complete his thesis in the same year in which he registers for it. A student who fails to complete the thesis within this period (twelve months from the date of registration), and whose time limit for completion of the degree requirements has not yet expired, must register each year until his thesis is completed as a "Visiting Scholar." He shall pay the registration fee and an enrollment fee of \$100 each year.

If the major department specifies that the candidate will take a comprehensive examination in lieu of a thesis the candidate must make the necessary arrangements with the graduate adviser at the beginning of the Trinity Term. The examination will be scheduled at the convenience of the department in April or May. Comprehensive examinations are scheduled during the Summer Term in the Department of Classics and in early fall and late spring in the Department of Modern Languages. If the student fails the examination, a second and final examination may be requested for administration not earlier than six months nor later than one year after the initial examination. A grade but no credit is awarded for the comprehensive examination.

6 / Graduate Studies

By January 30 prior to the Commencement at which the student expects to receive his degree, he must file an application for conferral of the degree. A form for this purpose will be provided by the Graduate Office on request.

SIXTH YEAR FOR TEACHERS

Programs of study fitted to individual needs are available to teachers who have earned the Bachelor's and Master's degrees. Each program will be planned in conference by the graduate student and the graduate adviser in the major department, and certification of satisfactory performance will be furnished at the conclusion of study to whatever authorities the student designates.

GRADUATE GRADES

At the conclusion of each course and comprehensive examination each graduate student will receive a grade from this scale:

Distinction – High Pass – Pass – Low Pass – Failure

Theses will be graded with one of the following:

Honors – Pass – Fail

Although equivalence of grades between graduate and undergraduate courses is difficult to define, it is generally agreed among colleges that graduate students will be expected to attain a higher level of achievement than would be expected of undergraduates. Frequently this expectation is expressed in a requirement that graduate credit will be awarded only for courses in which a grade of B or higher is earned. The faculty of Trinity College regards two passing grades (A and B, for example) as inadequate differentiation of the quality of acceptable achievement for graduate students. Therefore, the restricted range of achievement for which graduate credit is awarded has been divided into three. It should be understood that the grades of Distinction, High Pass, and Pass are NOT equivalent to A, B, and C, but represent a finer division of the A and B range.

Whenever a candidate for the Master's degree has received a total of two grades of Low Pass and/or Failure in his major field of study, or three such grades regardless of field, his eligibility for further study will be terminated. No more than one grade of Low Pass will be credited toward the requirements for the Master's degree.

Graduate students who are not approved candidates for the Master's degree, will be ineligible for candidacy for the Master's degree if they receive two grades lower than Pass regardless of field.

Enrollment in Courses

TUITION CHARGES

The tuition charge is \$180 per course, with the exception of the thesis (651-652), for which the charge is \$360. For Trinity undergraduates, graduate courses taken for undergraduate credit during the academic year are counted as part of their regular load. During the Summer Term, the tuition charges for these courses is at the graduate rate.

In addition to the tuition charges, each student must pay a non-refundable registration fee of ten dollars per term. This fee is payable only once during the Summer Term, whether the student registers for one or both sessions. Full payment of all costs must accompany registration for each semester.

NON-CREDIT ATTENDANCE

Persons who do not wish to receive credit for specific courses may, with permission of the Office of Graduate Studies, register as auditors. They will receive no credit and no grade, but a record of their attendance will be made. They need not always fulfill the prerequisites of the course and are not required to take examinations. The charge will be the same as if the course were taken for credit.

Graduate students who have been accepted as candidates for the Master's degree at Trinity College and who have completed two courses at the graduate level will be allowed to audit without charge a total of two courses. This privilege is without time limit; the courses may be audited prior to or after the completion of the degree requirements. In each case, however, permission to take a "Graduate Audit" must be obtained from the Office of Graduate Studies.

REGISTRATION

Students may register by mail or in person at the Graduate Office located on the first floor of Williams Memorial. Registration cards will be sent automatically to graduate students enrolled in a degree program or to prospective students who have

8 / Graduate Studies

requested them. Trinity undergraduates wishing to take graduate courses must register at the Graduate Office, in addition to completing the regular registration procedure. The Graduate Office is open Monday through Friday from 9:00 A.M. to 5:00 P.M.

All courses are limited in size. Students will be enrolled in each course in the order in which their registration cards are received. To have a wide choice of courses a student should register as early as possible.

It is each student's responsibility to determine his eligibility to enroll in a specific course.

All graduate courses, except those marked with a double asterisk (**), are open by permission to selected undergraduates in their junior or senior year.

Summer Term

Registration by mail opens on May 1.

All charges – tuition, fees, dormitory rent – for the first session must be paid on or before June 24.

Registrations completed on or after June 24 are considered to be late, and a \$5.00 penalty will be assessed for each course in which a student registers. Late registrations will be accepted during the first day of the first session for courses in which openings remain. Changes in registration will be accepted on this same day. Such changes may be made only once without charge; any additional registration change must be accompanied by a \$5.00 fee. Students must attend those courses which they have finally selected no later than the second meeting of each course.

The final day for registration without a late penalty for the second session is July 29. Registration procedures are otherwise the same as those for the first session.

Students who expect to attend both sessions should indicate their choice of courses for both sessions. In this way students attending during the entire summer will have priority in registration for second session courses. No student will be allowed to register for more than two courses in a single session.

Christmas Term

Registration opens on August 1.

A special registration session will be held on Wednesday, September 8, from 7:00 to 9:00 P.M., where students may meet with the graduate advisers in each field. Students who wish to do so may register in person at that session following their consultation.

For courses which have not reached their limit of enrollment, registration will be accepted as late as the end of the first week of classes.

Full payment of tuition and registration fee must accompany each registration – including vouchers issued by employers.

Trinity Term

Registration opens December 1.

There will be no adviser session prior to the Trinity Term. Students should consult with their advisers during the preceding term.

For courses which have not reached their limit of enrollment, registration will be accepted as late as the end of the first week of classes.

Full payment of tuition and registration fee must accompany each registration – including vouchers issued by employers.

Students are urged to register early as enrollment in most courses is limited. Students are registered in courses in the order in which registrations are received. Approved Master's degree candidates will be given preference on enrollment in graduate courses.

WITHDRAWAL

Registration for a course is a commitment to complete the course. Request for withdrawal and reasons for the request must be included in a letter addressed to the Office of Graduate Studies. Withdrawal is not accomplished by failure to attend classes or by notification to the instructor. Students contemplating withdrawal should, if possible, continue their attendance until a reply to their request is received. Unauthorized withdrawal will result in a grade of failure in the course.

No student will be permitted to withdraw from a graduate course after the twelfth week of a course during the regular academic year or during the last week of a summer course.

Ordinarily, no refunds of tuition will be made. In exceptional cases – e.g., withdrawal made necessary by serious illness or by call to military service – partial refunds may be granted. Such requests must be made to the Office of Graduate Studies by 5:00 P.M. on the second day of classes during the Summer Term or by the end of the second week of classes during the academic year.

10 / Graduate Studies

FINANCIAL ASSISTANCE

Graduate students seeking financial assistance should direct all inquiries to the Office of Graduate Studies and make formal application for scholarships or loans on the appropriate forms issued by that office.

Trinity Graduate Scholarships

A limited number of graduate scholarships are available to graduate students who are approved candidates for the Master's degree. Normally, they must have completed a minimum of two courses in their major field of concentration at Trinity.

These scholarships entitle recipients to the exemption of one-third of tuition costs in courses for which they register. They may be applied to maximum of three courses during any twelve-month period. They are not automatically renewable, but a new scholarship application may be made at the end of that period.

Preference is given to secondary school teachers. Financial need is the primary consideration in making awards.

Mitchell B. Stock Scholarship

This scholarship is awarded to a secondary school teacher who has shown unusual academic promise in pursuit of the Master's degree at Trinity.

Guaranteed Insured Loan Program

Attention is called to the existence of various state educational loan plans established under the Higher Education Act of 1965. For residents of Connecticut, loans up to \$1,500 per year are available for graduate study. The United States Government will subsidize the interest payments if the adjusted family income is \$15,000 or less and the student is enrolled on at least a "half-time basis." Information on state loan programs is available from the Director of Financial Aid at Trinity.

Veterans

Students admitted to Trinity who intend to study under Public Law 89-358 should, upon admission to Trinity, communicate with their local Veterans' Administration Office, requesting an application for a program of education under this law.

General Information

SUMMER TERM RESIDENTIAL FACILITIES

Housing

Dormitory housing is available to graduate students as well as to those undergraduate students registered in the Summer Term. The charge for a dormitory room is \$20 per week for single occupancy and \$15 per week for double occupancy. The cost for the room for each session is payable in advance, at the time of registration.

Dormitory students must furnish their own linen, pillows, blankets, and wastebaskets. All resident students must furnish desk lamps, if desired. Laundry service will be available.

Dormitory residents will be expected to arrive on campus between one and eight o'clock of the day preceding the opening of classes, at which time room keys will be distributed. Further information about housing and other aspects of the residential life will be provided by the Summer Term staff at that time.

No room may be occupied before June 27. All rooms must be vacated by September 4.

Meals

Snack bar service will be available in Mather Campus Center on Monday through Friday, at which meals will be served. There are several other eating places within walking distance of the College.

Medical Service

The College physician will be available for consultation in the campus medical office Monday through Saturday from 9:00 to 10:00 A.M. This service is limited to resident students. Expense of any additional medical care will be the responsibility of the student. Visiting students are not covered by Trinity College group medical insurance. The College nurse will be in the Infirmary from 8:30 A.M. to 12:00 noon and from 1:00 P.M. to 4:00 P.M., Monday through Friday. The services rendered by the nurse are somewhat limited but are available to all students enrolled in the Summer Term programs.

REGULATIONS

Absences. Students are expected to attend all class meetings; they are not "entitled" to any absences. Excessive absences will be sufficient cause for required withdrawal. An absence from an announced examination may be excused only for sickness certified by a doctor or emergencies by the Office of Graduate Studies.

Parking. Specific parking regulations for use of the Trinity College parking lots must be observed by all students, whether taking evening or Summer Term classes. These regulations are contained on a separate sheet which is given to each student together with the confirmation of his registration. They are also available in the Graduate Office.

Inclement Weather. It is always a problem to notify students whether a class will meet during inclement weather. During the 1971-1972 academic year this procedure will be followed: Each instructor will use his discretion regarding the meeting of his class when poor weather conditions prevail or are predicted. He will provide the members of his class with a telephone number at which he can be reached between 5:00 and 6:00 P.M. prior to the scheduled meeting of the class at 7:00 P.M. to convey his decision. For this information students should NOT call the College switchboard or the Graduate Office. In extraordinary cases when it is necessary to cancel all classes, this information will be announced over WTIC.

CORRESPONDENCE AND OFFICE HOURS

All requests for admission, registration, and current standing should be addressed to Mrs. Carole M. Lawson, Executive Secretary, Graduate and Summer Studies, (ext. 321 or 317). Requests for transcripts and other information about students who are not active degree candidates should be obtained from the Office of the Registrar (ext. 317).

The Graduate Office is open daily, except Saturday and Sunday, from 9:00 A.M. until 5:00 P.M.

THE TRINITY COLLEGE GRADUATE STUDENT ASSOCIATION

In the fall of 1968 a group of graduate students studying at Trinity formed an association for the purpose of promoting social, cultural, and civic activities among the graduate community. The Association welcomes as members graduate students currently enrolled at Trinity, as well as graduate alumni, and encourages their ac-

tive participation in its 1971-1972 program of activities. They may be addressed at Box 1363, Trinity College.

THE TRINITY COLLEGE LIBRARY

Graduate study is possible only where there is a fine library. Trinity's collection of more than 475,000 volumes and 100,000 pamphlets, housed in a modern structure embodying the latest in library construction theory and method, provides exceptional opportunities for graduate study. The Library adds approximately 10,000 volumes per year and subscribes to over 1,500 periodicals.

Seminar classes often meet in the Library's seminar rooms, close by the volumes they utilize. The Reference Librarian provides assistance in the use of the Library in connection with term papers and theses.

BALDRIDGE READING SERVICES

During the first session of the Summer Term an individualized reading and study skills program will be conducted at the College by Baldrige Reading and Study Skills, Inc. Courses will be available to both undergraduate and graduate students and will be scheduled so as not to interfere with a student's regular academic work.

This program is designed to improve the reading speed, techniques, and comprehension of both able students and those experiencing academic difficulty. Application of reading and study skills is made by employing the textbooks and other readings used by students in their academic courses.

Classes meet five days each week during the first session. The fee is \$80 payable to Baldrige Reading Services. All students admitted to the Summer Term will receive detailed information about this program with their summer registration material. Classes begin June 28; end July 23.

HOURS: ACADEMIC YEAR

Classes

Classes which meet once during the week, Monday through Thursday, will be held in the evening from 7:00 to 10:00 P.M. unless stated otherwise in the course description; if scheduled for two meetings per week, the time is noted in the course description.

14 / Graduate Studies

Trinity College Library

Monday through Friday, 8:30 A.M. to 12:00 midnight

Saturday, 9:30 A.M. to 12:00 midnight

Sunday, 1:00 P.M. to 12:00 midnight

During vacation periods the Library will post a special schedule of hours.

Mather Campus Center

Hours will be posted in Mather Campus Center.

McCook Library

Open specifically for graduate students Monday through Thursday evenings
from 6:00 P.M. to 10:00 P.M.

Austin Arts Center

Hours will be posted in the Austin Arts Center.

HOURS: SUMMER TERM

Classes

Classes meet daily, Monday through Friday, unless stated otherwise in the course description.

Trinity College Library

Hours will be posted in the Library.

Mather Campus Center

Hours will be posted in Mather Campus Center.

Departmental Programs

ECONOMICS

Chairman: Professor Richard Scheuch

Graduate Adviser: Professor Randall W. Tucker

The Master of Arts program in economics is designed for two categories of students: for men and women in business, education, and government who view the Master's degree as a terminal degree, the program provides an analytical approach to a variety of contemporary economic problems; for students who plan to pursue study beyond the M.A. degree, the program offers rigorous training in the fundamentals of the discipline. Students who are candidates for admission to the Master's program in economics are expected to have completed substantial undergraduate work in economics. However, students with outstanding undergraduate records and only minimal work in economics have been admitted to the program.

All persons who desire to major in economics, or who merely desire to register in Economics 501, must demonstrate competence to undertake study at this level by passing a qualifying examination. Those who achieve a grade of Distinction in this examination will be exempted from taking Economics 501. Those who are not qualified to enroll in Economics 501 should enroll in Economics 500, which is designed for students who need to refresh their understanding of basic economics, or who have had little or no undergraduate training in economics. The qualifying examination will be held on Saturday, June 12, at 10:00 A.M. in Williams 301 and on Saturday, September 11, at 10:00 A.M. in Williams 301.*

Economics 501 and 502 are required of all students admitted to candidacy after September 1, 1970.

Economics 501 is a prerequisite to all other courses in the Department except Economics 518, *Statistics for Economics* and Economics 520, *Managerial Accounting*. Students with a strong background in economics may, with the approval of

*This two hour examination, basically essay in character, requires analytical and graphical demonstration of competence in microeconomic theory at a level represented by such textbooks as: Leftwich, *The Price System and Resource Allocation*; Due and Clower, *Intermediate Economic Analysis*; and Ferguson and Maurice, *Economic Analysis*.

16 / Departmental Programs

the Department, substitute for two of the required ten courses in economics, two courses in a related field. Every Master's candidate must include among his ten courses Economics 651-652, *Thesis*.

Courses in the Economics Program

- | | |
|----------------------------------|--|
| 500. Economic Principles | 512. Mathematical Economics |
| 501. Microeconomic Theory | 514. Urban Economics |
| 502. Macroeconomic Theory | 515. International Economics |
| 503. Labor Economics | 518. Statistics for Economics |
| 504. Union-Management Relations | 520. Managerial Accounting |
| 505. Fiscal Policy | 521. Economic History of Western Europe |
| 506. Public Finance | 522. Economic History of the United States |
| 507. History of Economic Thought | 523. Economic Development |
| 508. Government and Industry | 524. Comparative Economic Systems |
| 509. Corporation Finance | 651, 652. Thesis |
| 510. Money and Banking | |

Summer Term, 1971 – Session I, June 28 to July 30

ECONOMICS 501. Microeconomic Theory. A study of resource allocation and product distribution in a market system. Market behavior is analyzed in terms of the determinants of demand, the supply conditions of productive services, the logic of the productive process, and the institutional structure of markets. The purpose of the course, required of all students majoring in Economics, is to provide rigorous training in fundamental analytical techniques.

An evening class meeting 7:00–10:00 p.m. on June 17, 22, 24, 29, and July 1, 6, 8, 13, 15, 20, 22, 27, and 29. Mr. Steffanci.

All students wishing to enroll in Economics 501 must demonstrate a competence to undertake study in Economics at the graduate level by passing a qualifying test. Those who receive a grade of Distinction on this test will

be exempted from Economics 501. Those not qualified to enroll in Economics 501 should enroll in Economics 500. The qualifying examination will be held on Saturday, June 12, at 10:00 a.m. in Williams 301.

ECONOMICS 541. Public Finance. A basic study of the role and functions of the state as reflected in the budget and in recent tax and expenditure proposals. Economic analysis will be applied to the demand for and supply of public goods in the light of the financial needs and resources of federal, state, and local governments. The problems peculiar to overlapping fiscal jurisdictions in a system of federalism will be examined.

An evening class meeting 7:00–10:00 p.m. on June 17, 22, 24, 29, and July 1, 6, 8, 13, 15, 20, 22, 27, and 29. Mr. Dunn.

Christmas Term – September 1971 to January 1972

ECONOMICS 500. Economic Principles and Problems – Tuesday. The study of some basic economic principles pertaining to the operation of the pricing system, income dis-

tribution, national income analysis, monetary and fiscal policy, and international trade.

This course may be taken for graduate credit but will not be credited toward the re-

quirements for the Master's degree in economics. The course is designed for those who have not previously studied economics and for those who wish to refresh their understanding of basic economics.

Mr. Egan.

ECONOMICS 501. Microeconomic Theory – *Monday*. A study of resource allocation and product distribution in a market system. Market behavior is analyzed in terms of the determinants of demand, the supply conditions of productive services, the logic of the productive process, and the institutional structure of markets. The purpose of the course, required of all students majoring in economics, is to provide rigorous training in fundamental analytical techniques.

All students wishing to enroll in Economics 501 must demonstrate a competence to undertake study in economics at the graduate level by passing a qualifying test. Those who receive a grade of Distinction on this test will be exempted from Economics 501. Those not qualified to enroll in Economics 501 should enroll in Economics 500. The qualifying examination will be held on Saturday, September 11, at 10:00 a.m. in Williams 301.

Mr. Steffanci.

Trinity Term – January 1972 to May 1972

ECONOMICS 502. Macroeconomic Theory – *Wednesday*. Neo-Keynesian economic statics; basic models of real economic growth with full employment within a monetary system. Required of all majors. Prerequisite: Economics 501 or permission of the instructor.

Mr. Garston.

ECONOMICS 504. Union-Management Relations – *Tuesday*. Analysis of union-management relations in the United States including: history of the union movement; principal issues in collective bargaining; intensive study of collective bargaining experience in

ECONOMICS 507. History of Economic Thought – *Tuesday*. Contributions of major economists to value and distribution theory with special reference to the classical and neo-classical schools. Welfare economics and the economic theory of the state will be selectively treated in their application to contemporary economic thought. Student papers on selected topics will be required. Prerequisite: Economics 501 or permission of the instructor.

Mr. Dunn.

ECONOMICS 523. Economic Development – *Wednesday*. The theory of economic growth and development with applications to development in specific countries. Emphasis on the influence of international factors, including trade and capital flows. Prerequisite: Economics 501 or equivalent and Economics 515 or permission of the instructor.

Mr. Garston.

****ECONOMICS 651-652. Thesis.** Conference hours by appointment. *Two course credits*. Investigation and report of an original research project. See *Degree Requirements*.

Mr. Scheuch and Staff.

selected industries and the public sector; collective bargaining legislation. Prerequisite: Economics 501 or equivalent.

Mr. Scheuch.

ECONOMICS 514. Urban Economics – *Monday*. Economic analysis of urban areas in their regional setting, the land use market, the housing market, and urban renewal; and an examination of public policy issues in current urban problems including: urban poverty, the economics of race in metropolitan areas, urban transportation, and local public finance. In each topic, the resource allocation

18 / Departmental Programs

process will be emphasized. Prerequisite: Economics 501 or permission of the instructor.

Mr. Battis.

ECONOMICS 518. Statistics for Economists – *Thursday*. Nature and importance of statistics; collection and sources of data; tabular and graphic presentation of data; ratios; fundamentals of index number construction; the frequency distribution; measures of central tendency and of variability; theory of the

normal curve; sampling theory; time series analysis; simple linear correlation; contemporary developments in statistical theory. A course designed for those who have had no previous work in statistics.

Mr. Tucker.

****ECONOMICS 651–652.**—Thesis. Conference hours by appointment. *Two course credits*. Investigation and report of an original research project. See *Degree Requirements*.

Mr. Scheuch and Staff.

EDUCATION

Chairman and Graduate Adviser:

PROFESSOR RICHARD K. MORRIS*

Graduate study in education is broadly conceived by the Department as providing course offerings of value and interest for (a) elementary and secondary school teachers in service, (b) prospective secondary school teachers, (c) individuals in other occupations whose work is educational in character, and (d) those persons, not professionally concerned with education, who desire to achieve a better understanding of the problems currently facing public and independent schools.

The Department has held the number of highly specialized courses to a minimum. It believes that an understanding of the history, philosophy, and psychology of education is fundamental to the formulation of sound judgments on the specific issues in education today. Many of the courses are pertinent to education at all levels of instruction in both public and independent schools. In addition, the Department recommends that the student give consideration to the course offerings of the other departments, many of which are of interest to students majoring in education.

Candidates for the Master of Arts degree with a major in education must complete at least five courses within the Department. The candidate will be advised to select the remainder of the degree program from courses which will serve the best interests of the individual, provided the courses selected meet with the prior approval of the Department. Either a thesis (Education 651–652) or its equivalent in course credits plus a Comprehensive Examination is required for the degree. All candidates are also required to take Education 600: *Problems in Education*.

*Effective July 1, 1971

Trinity is approved for the preparation of teachers of academic subjects in public junior and senior high schools in Connecticut. The certification program will also meet the requirements of most other states. Students desiring to prepare for secondary certification must be approved as candidates for the Master's degree (in education or another subject). Those interested should consult the Department concerning the details of the state requirements.

Teachers accepted for a planned course of study leading to certification under the provisions of the State Department of Education's special Temporary Emergency Permit program are required to enroll in Education 491-492: *Student Teaching*. Students in this category will be involved in all the basic activities and phases of the practice teaching experience, including supervision by the Department of Education staff members and attendance at the seminar sessions. However, because they are not taking over the classes of a faculty member of the school in which they are serving, ordinarily the students will not be under the direction of a critic teacher. Graduate credit is not given for Education 491-492.

In order to enable some candidates for the Master's degree in education to strengthen limited subject-matter areas in which they are, or may be, employed to teach and thereby to improve their professional competence, the Department of Education, in collaboration with certain academic departments of the College, may recommend a program of studies whereby the teacher-candidate may include a maximum of two courses in undergraduate work for graduate credit. It is understood that this possibility will be approved only when there is a clear and specific need to meet prerequisites for advanced study available only by first taking certain undergraduate courses, as is often the case with the sequence of courses in the sciences and mathematics. The two courses approved under this proposal will normally include junior and senior level courses offered in any term of the College (fall, spring or the summer sessions). Under no circumstances will credit be transferable from courses taken in fulfillment of the requirements for the Bachelor's degree at Trinity College or elsewhere, nor will permission be granted to transfer undergraduate credit to the student's graduate record for courses taken at any institution other than Trinity College.

Courses in education are available in both the summer and winter terms. To enable candidates studying in the summers only to complete the requirements for the Master's degree in a minimum of three summers, courses will be available on an alternating basis.

Courses in the Education Program

- 501. History of Education
- 502. Philosophies of Education

- 503. Developmental Psychology
- 504. Differential Psychology

20 / Departmental Programs

- 507. School and Society
- 521. Secondary School Teaching
- 522. Secondary School Administration
- 524. Secondary School Curriculum
- 541. Educational Measurement and Evaluation
- 543. Principles of Guidance
- 570. School Law

- 581. Machine Computation in Secondary Mathematics and Science
- 582. Computer Applications in Education
- 600. Problems in Education
- 601. Seminar: Research in Education
- 602. Seminar: Various Topics
- 651-652. Thesis

Summer Term, 1971 - Session I, June 28 to July 30

MATHEMATICS 425. Topics in Contemporary Mathematics. (See Summer undergraduate bulletin.)

EDUCATION 503. Developmental Psychology. A study of human behavior in terms of process, with an examination of representative theories of development as to both their underlying assumptions and their implications for educational practice. Attention will be centered on normal human development throughout the life span, and physical, mental, and emotional growth will be treated as parts of total maturational patterns.

1:30-3:00. Mr. Langhorne.

EDUCATION 522. Secondary School Administration. A study of principles underlying current school practices in organization and administration and an identification of persistent problems, particularly as they involve the teacher and the pupil.

11:00-12:30. Mr. Skirm.

EDUCATION 543. Principles of Guidance. A broad inquiry into the meaning, purpose, and scope of guidance, particularly as it finds expression in schools and other community agencies. Attention will be given to teacher counseling in the classroom, to significant inter-disciplinary and inter-agency problems, and to professional issues in contemporary guidance practice.

1:30-3:00. Mr. Decker.

EDUCATION 582. Computer Applications in Education. An examination of several possible applications of the electronic digital computer to administrative and teaching

situations in education with particular attention to public education. Some programming to illustrate possibilities and problems in such computer use. Students will be expected to have, or acquire, some degree of facility with at least one of the languages implemented on the TSS/8 system in the Department of Engineering with preference to BASIC. Students in doubt about programming should consult the instructor.

8:30-10:00. Practicum sessions to be arranged. Mr. Blakeslee.

***EDUCATION 602A.** Seminar: The Dynamics of School Learning Groups. An investigation of group dynamics as they apply to the school learning group. Particular emphasis will be placed upon the relationship of group variables to the atmosphere of the classroom, the selection of classroom goals and tasks, and the rate and quality with which the tasks are accomplished. The roles played by students and teachers and leadership functions will also be studied.

8:30-10:00. Mr. Decker.

EDUCATION 603. Communication and Expression Through Film. This course is directed to administrators, community leaders, teachers of film, English literature, art social studies and the humanities at all levels of instruction. The aim of the course is to assist participants in developing classroom programs stressing film as a medium of narrative

and documentation. All forms of screen media will be analyzed. Each participant will script, shoot and edit four films, including one scene based on a literary work. Lab fee, \$25.00. *One course credit.*

8:30–10:30. Mr. Andrews.

****EDUCATION 651–652. Thesis. Both terms.** *Two course credits.* The preparation

of a comprehensive paper representing an original solution to a clearly-defined, significant educational problem. Registration for this course must be accompanied by written permission from the Chairman of the Department. Prerequisite: Education 601: Research in Education. See *Degree Requirements.*

Conference hours by appointment. Mr. Morris and staff.

Summer Term, 1971 – Session II, August 2 to September 3

EDUCATION 501. History of Education – Tuesday. A study of the basic ideas, institutions, and practices of contemporary education in the light of their historical development from the earliest times to the present. The student will be required to read selected primary sources – chiefly from the classics of educational literature – in order to assist him in interpreting and reconstructing the history of educational thought.

1:30–3:00. Mr. Saif.

EDUCATION 521. Secondary School Teaching. A study of secondary education in America, with emphasis upon current aims, curriculum patterns, and teaching methods and materials. Each student will be encouraged to pursue particular interests within his areas of academic specialization; for the student preparing to teach, course requirements will be pointed toward his professional practice.

11:00–12:30. Mr. Fairbanks.

EDUCATION 524. Secondary School Curriculum. A study of the history and problems involved in curriculum change in the secondary school, including an analysis of trends and developments in various subjects

in the curriculum. Emphasis will be placed on the role of the local school faculty in curriculum development.

8:30–10:00. Mr. Calvert.

****EDUCATION 600. Problems in Education.** A study through reading and discussion, of selected contemporary issues and problems in education. These areas will be studied in terms of the historical, philosophical, or sociological principles involved in their analysis and understanding and will be traced through all levels of the educational system. When possible, specialists from the major fields under consideration will participate in the discussions. This course is required for Master's candidates.

3:30–5:00. Mr. Saif.

****EDUCATION 651–652. Thesis. Both terms.** *Two course credits.* The preparation of a comprehensive paper representing an original solution to a clearly-defined, significant educational problem. Registration for this course must be accompanied by written permission from the Chairman of the Department. Prerequisite: Education 601: Research in Education. See *Degree Requirements.*

Conference hours by appointment. Mr. Morris and staff.

Christmas Term – September 1971 to January 1972

EDUCATION 491–492. Student Teaching. May not be taken for graduate credit. *Two*

undergraduate course credits. A laboratory course of supervised observation and teach-

22 / Departmental Programs

ing experience in cooperating secondary schools in the Capital Area. The course also includes a series of seminar sessions. The student should be able to spend a full day at the secondary school for a period of at least nine weeks and must ordinarily observe or teach approximately 140 school periods. Prerequisites: approval as a candidate for the Master's degree and completion of six semester hours of study in education at Trinity College including Education 521. Enrollment is limited and permission of the Chairman of the Department and of the instructor are required. Additional fee: ten dollars.

Mr. Skirm and Staff.

EDUCATION 501. History of Education – Tuesday. A study of the basic ideas, institutions, and practices of contemporary education in the light of their historical development from the earliest times to the present. The student will be required to read selected primary sources – chiefly from the classics of educational literature – in order to assist him in interpreting and reconstructing the history of educational thought.

Mr. Morris.

EDUCATION 503. Developmental Psychology – Monday. A study of human behavior in terms of process, with an examination of representative theories of development as to both their underlying assumptions and their implications for educational practice. Attention will be centered on normal human development throughout the life span, and physical, mental, and emotional growth will be treated as parts of total maturational patterns.

Mr. Decker.

EDUCATION 521. Secondary School Teaching – Tuesday. A study of secondary education in America, with emphasis upon current aims, curriculum patterns, and teaching methods and materials. Each student will be encouraged to pursue particular interests within his areas of academic specialization; for the student preparing to teach, course requirements will be pointed toward his professional practice.

[Instructor to be announced.]

EDUCATION 522. Secondary School Organization and Administration – Wednesday. A study of principles underlying current school practices in organization and administration and an identification of persistent problems, particularly as they involve the teacher and the pupil.

Mr. Skirm.

EDUCATION 543. Principles of Guidance – Thursday. A broad inquiry into the meaning, purpose, and scope of guidance, particularly as it finds expression in schools and other community agencies. Attention will be given to teacher counseling in the classroom, to significant inter-disciplinary and inter-agency problems, and to professional issues in contemporary guidance practice.

[Instructor to be announced.]

****EDUCATION 651-652. Thesis.** Conference hours by appointment. *Two course credits.* The preparation of a comprehensive paper representing an original solution to a clearly-defined, significant educational problem. Registration for this course must be accompanied by written permission from the Chairman of the Department. Prerequisite: Education 601: Research in Education. See *Degree Requirements.*

Trinity Term – January 1972 to May 1972

EDUCATION 491-492. Student Teaching. May not be taken for graduate credit. *Two undergraduate course credits.* A laboratory course of supervised observation and teach-

ing experience in cooperating secondary schools in the Capital Area. The course also includes a series of seminar sessions. The student should be able to spend a full day at

the secondary school for a period of at least nine weeks and must ordinarily observe or teach approximately 140 school periods. Prerequisites: approval as a candidate for the Master's degree and completion of six semester hours of study in education at Trinity College including Education 521. Enrollment is limited and permission of the Chairman of the Department and of the instructor are required. Additional fee: ten dollars.

Mr. Skirm and Staff.

EDUCATION 502. Philosophies of Education – Tuesday. An advanced course that will treat systematically and historically of the vital issues that are involved in any general theory of education. Major philosophies of education will be studied comparatively by student participation on panels reviewing each of the principal positions; neo-scholasticism, rational humanism, idealism, naturalistic realism, experimentalism, and existentialism. Toward the end of the course the student will be requested to construct for himself a philosophy of education adequate for the evaluation of his subsequent professional practice.

Mr. Morris.

EDUCATION 504. Differential Psychology – Monday. A study of individual, group and trait differences, and the validity and reliability of those measuring instruments used to measure them.

Mr. Decker.

EDUCATION 507(2). The School and Society – Tuesday. A study of the school as a social institution. Data will be drawn from recent findings in anthropology, sociology, and psychology. Community power structure,

social class, economic status, and population problems in contemporary American society will be analyzed as these impinge on school policy.

[Instructor to be announced.]

EDUCATION 524. Secondary School Curriculum – Wednesday. A study of the history and problems involved in curriculum change in the secondary school, including an analysis of trends and developments in various subjects in the curriculum. Emphasis will be placed on the role of the local school faculty in curriculum development.

Mr. Skirm.

EDUCATION 570(2). School Law – Thursday. A study of the historical development in the United States of that special body of law, both statutory and common, pertaining to education. Specific problems of status and control will be pursued, where possible, by means of primary source material – state constitutions, statutes, and common law rulings.

Mr. Morris.

****EDUCATION 602B. Seminar: Topic to be announced – Thursday.**

[Instructor to be announced.]

****EDUCATION 651–652. Thesis.** Conference hours by appointment. *Two course credits.* The preparation of a comprehensive paper representing an original solution to a clearly-defined, significant educational problem. Registration for this course must be accompanied by written permission from the Chairman of the Department. Prerequisite: Education 601: Research in Education. See *Degree Requirements.*

Mr. Morris and Staff.

Projected Courses 1972 – 1973

EDUCATION

Summer 1972:

Session I:

- 504. Differential Psychology
- 507. School and Society
- 521. Secondary School Teaching
- 541. Educational Measurement and Evaluation

Session II:

- 502. Philosophies of Education
- 524. Secondary School Curriculum
- 602A. Seminar: Topic to be Announced
- 602B. Seminar: Cultural Anthropology

Academic Year 1972 – 1973:

Christmas Term:

- 501. History of Education
- 503. Developmental Psychology
- 521. Secondary School Teaching
- 522. Secondary School Administration
- 601. Research in Education

Trinity Term:

- 502. Philosophies of Education
- 504. Differential Psychology
- 507. School and Society
- 524. Secondary School Curriculum
- 541. Educational Measurement and Evaluation
- 600. Problems of Education

ENGLISH

Chairman and Graduate Adviser:

PROFESSOR J. BARD McNULTY

Graduate courses in English at Trinity are designed for persons with a solid background of study in English who have a professional or personal interest in pursuing advanced work under guidance, probably proceeding to the M.A. degree and beyond. Although the majority of students are usually teachers of English in secondary schools, the program welcomes all interested and qualified persons no matter what their occupations. Each course emphasizes depth of subject matter, accuracy of scholarly research, and range of critical understanding.

A student is expected to have completed an undergraduate major in English, or its equivalent in English courses, to the extent of eight course credits (24 semester hours or credits) exclusive of freshman English, speech, or journalism. Students applying for candidacy for the degree of Master of Arts with a major in English should meet the above requirements with a grade average of at least B or 80. Also,

all students beginning graduate courses in English at Trinity for the first time, regardless of whether or not they intend to apply eventually for degree candidacy, must have their academic credentials reviewed by the Graduate Office prior to registration; an average of at least B is usually required. Candidates for degrees in other fields who have had 15 hours of English may be admitted to English courses by permission of the Chairman.

Candidates are required to take a total of ten courses, of which eight must be in the Department. Outside the Department, candidates may take graduate courses in history, linguistics, philosophy, religion, and ancient or modern foreign language or literature.

The Department of English offers two alternative programs of courses leading to the M.A. in English, as follows:

Program I. Courses:

1. English 563 or 564. *Studies in Ideas: The Study of English*
2. A Period Course
3. A Genre Course
4. A Course in a Major Writer (Note: The course taken to satisfy this requirement may not duplicate one taken to satisfy the requirements under 2 and 3 above.)
5. Elective
6. Elective
7. Elective
8. Elective
9. Thesis
10. Thesis (continued)

Program II. Courses:

1. English 563 or 564. *Studies in Ideas: The Study of English*
2. A Period Course
3. A Genre Course
4. A Course in a Major Writer (Note: The course taken to satisfy this requirement may not duplicate one taken to satisfy the requirements under 2 and 3 above.)
5. Elective (See 10, below.)
6. Elective (See 10, below.)
7. Elective (See 10, below.)
8. Elective (See 10, below.)
9. Elective (See 10, below.)
10. Three papers related to 5 through 9, above.

Courses 5, 6, 7, 8, and 9 may be taken consecutively or concurrently. For three of them, the student is to write an extended paper *in addition* to the papers regularly assigned in the course. These three extra papers are to be related to a general topic which the student is to propose, and which the Department is to approve *before* the student may elect courses 5 through 9. (Example: A student might elect to take courses in *Chaucer*, *narrative poetry*, and *satire*, with three papers on the general topic of "Chaucer's Use of Satire in Narrative Poetry," written under the guidance of a member of the Department. The responsibility of organizing such a program is to be upon the student; his ability to organize will, in fact, be the preliminary test of his qualifications for taking this sequence.) After successful completion of the three papers, the student will receive a total of one course credit, which will constitute full credit for Course No. 10.

Courses in the English Program

Each course has two numbers: odd for first term, even for second.

511, 512. Studies in General Literary History	531, 532. Studies in Genre
513, 514. Studies in Medieval Literature	533, 534. Studies in Drama
515, 516. Studies in Renaissance Literature	535, 536. Studies in Fiction
517, 518. Studies in 17th Century Literature	537, 538. Studies in Poetry
519, 520. Studies in 18th Century Literature	541, 542. Major Author
521, 522. Studies in 19th Century British Literature	543, 544. Chaucer
523, 524. Studies in 19th Century American Literature	545, 546. Shakespeare
525, 526. Studies in 20th Century British Literature	547, 548. Milton
527, 528. Studies in 20th Century American Literature	551, 552. Studies in Linguistics
529, 530. Studies in Contemporary Literature	553, 554. Studies in the English Language
	555, 556. Studies in Rhetoric
	561, 562. Studies in Literary Criticism
	563, 564. Studies in Ideas
	651, 652. Thesis

The program for summer terms will usually include English 563 or 564, *Studies in Ideas*, and in addition:

<i>In 1972</i>	<i>In 1973</i>	<i>In 1974</i>
Genre: Drama	Genre: Poetry	Genre: Fiction
Genre: Fiction	Genre: Drama	Genre: Poetry
Period: Renaissance	Genre: Satire	Period: Medieval

In 1972

Period: 19th Century
Period: Modern
Period: American
Writer: Milton

In 1973

Period: Renaissance
Period: Modern
Period: American
Writer: Shakespeare

In 1974

Period: Neo-Classical
Period: Modern
Period: American
Writer: Modern

Summer Term, 1971 – Session I, June 28 to July 30

ENGLISH 511. Studies in General Literary History: American Literature and the Romantic Mode. A study of the relationships between aspects of the romantic mode—concepts of the hero, the romantic quest, the fictional world—and the American cultural experience: readings in Poe, Melville, James, Faulkner, West, Bellow, Mailer, Brautigan, and others. Satisfies the requirement of a period or elective course.

8:30–10:00. Mr. Smith.

ENGLISH 529. Studies in Contemporary Literature: Irony. A study of the narrative and thematic structures of irony: readings in contemporary literature and criticism. Satisfies the requirement of a period or elective course.

11:00–12:30. Mr. Smith.

ENGLISH 531. Studies in Genre: Literature and Related Art Forms. A consideration of some relationships between the forms and media of literature and other arts, with attention to the theories of Wolfflin, Gombrich, Sypher, Chomsky, and others. Field trips. Satisfies the requirements of a genre or elective course.

1:30–3:00. Mr. McNulty.

ENGLISH 537. Studies in Poetry: The Analysis of Poetry. Experience in the thorough exegesis and critical analysis of a wide variety of poems, combined with the study of others' criticism of poetry. Ultimately, a consideration of the main principles and characteristics of poetry. Satisfies

the requirement of a genre or elective course.
1:30–3:00. Mr. Potter.

ENGLISH 543. Chaucer. Introduction to the literature of The Age of Chaucer with special emphasis on Chaucer. Satisfies the requirement of a period, major author, or elective course.

11:00–12:30. Mr. McNulty.

ENGLISH 561. Studies in Literary Criticism: Modern Criticism. A consideration of the basic concerns of literary criticism and their manifestation in modern critical activity. Most class time devoted to actual critical discussion of particular works of various kinds, and to the discussion of critical essays. Satisfies the requirement of an elective course.

3:30–5:00. Mr. Potter.

ENGLISH 601. Communication and Expression Through Film. See Education 603 for details. (Page 20)

****ENGLISH 651–652. Thesis.** Conference hours by appointment. *Two course credits.* A project involving scholarly research, critical thinking, and formal writing. Proposals for theses must be submitted by October 1 for assignment of an adviser. The course must be completed during the academic year in which it is begun. See *Degree Requirements* and separate English Department statement.

Mr. McNulty and Staff.

Summer Term, 1971 – Session II, August 2 to September 3

ENGLISH 520. Studies in 18th Century Literature: The Enlightenment. Lectures and discussion in the literature and culture of the eighteenth century in England and France. The course will read Voltaire, Rousseau, Swift, Hume, Sterne, Fielding, Johnson, Boswell, Pope, Gibbon, and others. It will pay particular attention to the philosophical and artistic assumptions of the period. Short papers and an open-book final examination. Satisfies the requirement of a period or elective course.

3:30–5:00. Mr. Kuyk.

ENGLISH 530. Studies in Contemporary Literature: The Non-Rational in Modern Literature. An attempt to explore the uses of psychological fiction, parody, satire, irony, nonsense, black comedy, fantasy, and myth in the literature of the late nineteenth and the twentieth centuries. Authors to be examined will include Joyce, Meredith, Huxley, Heller, Ionesco, Carroll, Tolkien, Pinter, Nathanael West, Eliot, and Samuel Butler. Lectures and discussion with a substantial paper. Satisfies the requirement of a period or elective course.

1:30–3:00. Mr. Kuyk.

ENGLISH 534. Studies in Drama: Modern Drama. A study of the significant changes in dramatic form and theory since the late 19th century. Reading includes plays of Ibsen, Chekhov, Strindberg, the expressionists, O'Neill, Pirandello, Giraudoux, Anouilh, Beckett, Genet, Pinter, and Albee. Satisfies the requirement of a genre or elective course.

11:00–12:30. Mr. Nichols.

ENGLISH 542. Major Writer: Nabokov. A close study of all of Nabokov's novels in English that are available, several of the translated ones, and some of the short fiction, criticism, and autobiography. Frequent reports; independent work on such open questions as Nabokov's Russian literary connec-

tions, the importance of the exile milieu, the relevance of Russian Formalism and Anglo-American New Criticism, analogies to Joyce, Robbe-Grillet, and Borges, the recent growth of a Nabokov cult, and Nabokov's "structural" humanism. Satisfies the requirement of a genre, major author, or elective course.

11:00–12:30. Mr. Wheatley.

ENGLISH 545. Shakespeare. An intensive study of representative history plays, comedies and tragedies, including *Richard II*, *Twelfth Night*, *Merchant of Venice*, *Measure for Measure*, *King Lear*, *Antony and Cleopatra*, and *Othello*. Performances of two of the plays will be attended at the American Shakespeare Festival at Stratford. Satisfies the requirement of a genre, major author, or elective course.

8:30–10:00. Mr. Dando.

ENGLISH 564. Studies in Ideas: The Study of English. An attempt to clarify the principles and practices of studying and teaching English in school and college. Not a methods course, it will explore the theory and practice of English language study, of composition, and of literary criticism, primarily for the benefit of the student teacher himself, but with some attention to the possibilities and problems of teaching English in school and college.

8:30–10:00. Mr. Wheatley.

***ENGLISH 651–652. Thesis.** Conference hours by appointment. *Two course credits.* A project involving scholarly research, critical thinking, and formal writing. Proposals for theses must be submitted by October 1 for assignment of an adviser. The course must be completed during the academic year in which it is begun. See *Degree Requirements* and separate English Department statement.

Mr. McNulty and Staff.

Registration

Students are urged to register early as enrollment in most courses is limited. Students are registered in courses in the order in which registrations are received. Approved Master's degree candidates will be given preference on enrollment in graduate courses.

PLEASE PRINT ON ALL FORMS

COLLEGE LAST ATTENDED _____

DATES OF ATTENDANCE _____

PERMANENT ADDRESS _____

CITIZEN OF WHAT NATION? _____

UNDER G.I. BILL? _____

NAME AND ADDRESS OF PERSON TO NOTIFY IN CASE OF EMERGENCY

Name

Phone

Address

Graduate Advisers' Pre-Registration Session

(CHRISTMAS TERM ONLY)

Non-matriculated students who are in doubt concerning their eligibility to register for certain courses and candidates for the Master's degree who wish assistance in selecting courses for the coming year should plan to meet with the appropriate graduate advisers on the evening their department is scheduled for consultation.

Students who wish to meet with advisers should not fill out the registration forms but should bring their copy of the catalogue. They will be able to register following their meeting with advisers. Students should check carefully the hour they should appear.

Students will be interviewed in the order of their arrival.

Wednesday evening, September 8 – Washington Room, Mather Campus Center

Economics	English	Mathematics	Philosophy
Education	History	Modern Languages	Physics
	Political Science		

Students should plan their arrival with the following schedule:

Those whose last names begin with the letters

A through F 7:00 p.m.

M through R 8:00 p.m.

G through L 7:30 p.m.

S through Z 8:30 p.m.

PAYMENT OF CHARGES

☐ CHRISTMAS TERM

☐ TRINITY TERM

☐ SUMMER TERM

MISS
MRS.
MR.

Last First Middle (PLEASE PRINT)

ADDRESS _____
Street City State Zip Code

	SESSION I	SESSION II	TOTAL
REGISTRATION FEE (\$10 each term) (Payable once for summer term)	_____	_____	_____
LATE PENALTY	_____	_____	_____
TUITION (\$180 per course)	_____	_____	_____
ROOM RENT: _____ WEEKS	_____	_____	_____
LABORATORY FEE(S)	_____	_____	_____
TOTAL CHARGES	_____	_____	_____
PAYMENT ENCLOSED	_____	_____	_____
BALANCE DUE	_____	_____	_____

AUTOMOBILE REGISTRATION

☐ CHRISTMAS TERM
 ☐ TRINITY TERM
 ☐ SUMMER TERM

TRINITY COLLEGE PARKING PERMIT NO.

MISS _____
 MRS. _____
 MR. _____

PLEASE PRINT

Last First Middle

ADDRESS _____
 Street City State Zip Code

YR.	MAKE	BODY STYLE	COLOR	STATE	LICENSE PLATE NO.

TRINITY COLLEGE, HARTFORD, CONNECTICUT 06106

Automobile Registration

All students who bring automobiles to the campus must file an automobile registration card with the Graduate Office. Each student who registers an automobile will receive a serial-numbered parking permit.

Christmas Term – September 1971 to January 1972

ENGLISH 523. Studies in 19th Century American Literature: The American Renaissance – Wednesday. Readings in five mid-nineteenth-century “greats” – Melville, Whitman, Hawthorne, Emerson, and Thoreau – emphasizing backgrounds: critical, biographical, and social. Reports and a short term paper. Satisfies the requirement of a period or elective course.

Mr. Cameron.

ENGLISH 529. Studies in Contemporary Literature: The Non-Rational in Modern Literature – Wednesday. An attempt to explore the uses of psychological fiction, parody, satire, irony, nonsense, black comedy, fantasy, and myth in the literature of the late nineteenth and the twentieth centuries. Authors to be examined will include Joyce, Meredith, Huxley, Heller, Ionesco, Carroll, Tolkien, Pinter, Nathanael West, Eliot, and Samuel Butler. Lectures and discussion with a substantial paper. Satisfies the requirement of a period or elective course.

Mr. Kuyk.

ENGLISH 531. Studies in Genre: The English Literature of Black Africa – Tuesday. A study of the major European narrative genres, and the ways in which African authors, writing in English but with a background of an oral tradition, have adapted and refined these genres. Authors to be read will include Achebe, Aluko, Ekwensi, Iyayi, Mphahlele, Ngugi, Grace Ogot, p'Bitek, Soyinka,

Tutuola. Satisfies the requirement of a genre or an elective course.

Mr. R. Williams.

ENGLISH 561. Studies in Literary Criticism – Thursday. A general view of the scope, theory, principles, and practice of literary criticism. This view will include a consideration of intrinsic vs. extrinsic approaches and a study of the specific theories and techniques of formalist, biographical, psychological, sociological, ideological, and mythological and archetypal criticism. Oral reports and critical essays will be required of students. Satisfies the requirement of an elective course.

Mr. Benton.

ENGLISH 563. Studies in Ideas: The Study of English – Monday. A seminar in some of the theoretical systems of linguistics, rhetoric, and criticism (e.g., Noam, Chomsky, Kenneth Burke, and Northrop Frye) and their implications for the study and teaching of language and literature.

Mr. Smith.

****ENGLISH 651–652. Thesis. Conference hours by appointment. Two course credits.** A project involving scholarly research, critical thinking, and formal writing. Proposals for theses must be submitted by October 1 for assignment of an adviser. The course must be completed during the academic year in which it is begun. See *Degree Requirements* and separate English Department statement.

Mr. McNulty and Staff.

Trinity Term – January 1972 to May 1972

ENGLISH 528. Studies in Twentieth-Century American Literature – Monday. A study of some of the major narrative and thematic concerns in selected American novelists, poets, and dramatists from the 1920's to the present.

Mr. Smith.

ENGLISH 536. Studies in Fiction: Thackeray, Eliot, James – Wednesday. Problems in the definition of Realism in the late Victorian novel. Some exploration of its connections with major literary achievements in this century, and of its implications for teaching standard works by these authors at the sec-

30 / Departmental Programs

ondary school and early college levels. Frequent reports and demonstrations. Satisfies the requirement of a genre, period, or elective course.

Mr. Wheatley.

ENGLISH 542. Seminar: Edgar Allan Poe – Tuesday. A detailed study in depth of the fiction, poetry, and literary criticism of Edgar Allan Poe, which will include a consideration of Poe's biography, his historical context, and his significance for his time and ours. As a writer Poe will be viewed from various angles: as an ironist, romanticist, satirist, humorist, parodist, and hoaxer; also as a master of the psychological and Gothic thriller, as the inventor of the detective story, as a pioneer in science fiction, as a symbolist and lyric poet of distinction, as a cosmic speculator who attempted to probe into the mystery of man's life, and as a literary critic whose high standards pointed to the New Criticism of the twentieth century. Satisfies the requirement of a major author or elective course.

Mr. Benton.

ENGLISH 544. Chaucer – Thursday. In-

roduction to the literature of The Age of Chaucer with special emphasis on Chaucer. Satisfies the requirement of a period, major author, or elective course.

Mr. McNulty.

ENGLISH 546. Studies in Shakespeare: Shakespearean Tragedy – Wednesday. A critical reading of *Othello*, *Lear*, *Hamlet*, and *Macbeth* in the light of Renaissance tragic traditions and with the help of modern critical commentaries. Oral interpretation, LP discs, reports, and a term paper. Satisfies the requirement of a genre, major author, or elective course.

Mr. Cameron.

****ENGLISH 651-652. Thesis.** Conference hours by appointment. *Two course credits.* A project involving scholarly research, critical thinking, and formal writing. Proposals for theses must be submitted by October 1 for assignment of an adviser. The course must be completed during the academic year in which it is begun. See *Degree Requirements* and separate English Department statement.

Mr. McNulty and Staff.

HISTORY

Chairman: PROFESSOR GEORGE B. COOPER

Graduate Adviser: ASSOCIATE PROFESSOR GLENN WEAVER

The Master's degree with a major in history is designed to follow an undergraduate concentration in history. Undergraduate preparation may include survey courses in ancient, European and American history. Candidates must complete at the graduate level a minimum of ten courses, at least eight of which must be in history, including History 651-652: *Thesis*. Students with extensive preparation in history may be permitted by their adviser to elect two courses in another department. The thesis is the final project of all candidates. A reading knowledge of one foreign language is required.

Summer Program in History

Courses in history are available both during the Summer Term and the regular academic year. Candidates may complete their course requirements (exclusive of

the Thesis) toward the Master's degree in a minimum of two summers. A selection of history courses representing the following periods and areas will be available each summer: ancient history, Medieval history, European history, and American history.

Courses in the History Program

- | | |
|---|---|
| 505. Greece, 594 to 338 B.C. | 550. New England |
| 506. Greece, 338 to 200 B.C. | 551. The Colonial Period in American History |
| 507. The Roman Republic | 552. United States: The Formative Years |
| 508. The Roman Empire | 553. Civil War and Reconstruction |
| 511. The Middle Ages | 555. America in the Age of Uneasy Nationalism |
| 512. The Byzantine Empire and Islam | 561, 562. United States as a World Power |
| 515. Renaissance Europe | 563. United States: Reconstruction to 1910 |
| 516. Reformation Europe | 564. The Age of Reform |
| 517. Europe 1760-1870 | 571. Latin America |
| 518. Expansion of Europe | 577. Modern Canada |
| 521, 522. European Diplomatic History | 580. Far East |
| 525, 526. England | 581. China |
| 527. Twentieth Century Britain | 585, 586. India |
| 531, 532. France | 590, 591. Africa |
| 535, 536. Germany | 601, 602. Seminars: Various topics |
| 537. Studies in 19th and 20th Century European Intellectual History | 651 - 652. Thesis |
| 538. Italy | |
| 541, 542. Russia | |

Summer Term, 1971 - Session I, June 28 to July 30

HISTORY 505. Greece, 594 to 338 B.C.
A study of the political, economic, and social development of Greece from Solon to the loss of Greek independence after Chaeronea, with especial emphasis on the growth of democracy at Athens.

1:30-3:00. Mr. Elliott.

HISTORY 550. New England. The concept of regionalism; political, intellectual, and social development during the colonial and national periods; industrialization, immigration, cultural conflicts and adjustments.

8:30-10:00. Mr. Weaver.

HISTORY 551. The Colonial Period in American History. A social and cultural his-

tory emphasizing the intellectual, religious, and economic developments.

11:00-12:30. Mr. Weaver.

HISTORY 555. America in the Age of Uneasy Nationalism. An examination of social, political, economic, and constitutional developments in the United States from 1815 into the 1850's. Emphasis on the dynamics of commercial, industrial, financial, and technological growth as related to expansionist tensions, political controversy, and emerging sectional rivalry.

1:30-3:00. Mr. Sloan.

HISTORY 565. Theodore Roosevelt and His Era. A topical examination of political

32 / Departmental Programs

developments in the United States from the 1880's through World War I using Theodore Roosevelt as a mirror of his age.

3:30-5:00. Mr. Sloan.

HISTORY 590. Africa in the Pre-Colonial Period. Problems and method of African history, traditional African society, the spread of Islam and peripheral contact with classical and Western culture.

8:30-10:00. Mr. Steele.

HISTORY 591. Africa in the 19th and 20th Centuries. Topical studies of African society during the period of colonization, decolonization, and independence.

1:30-3:00. Mr. Steele.

****HISTORY 651-652. Thesis. Two course credits.** Investigation and essay on an original research topic. Registration for this course must be accompanied by written permission from the Chairman of the Department.

Mr. Cooper and Staff.

Summer Term, 1971 - Session II, August 2 to September 3

HISTORY 515. Renaissance Europe. An examination of the religious, political, economic and cultural life of Europe from the 14th to the early 16th century with particular emphasis on the Italian Renaissance.

8:30-10:00. Mr. Painter.

Archaeology. (See page 36 for description and time.)

****HISTORY 651-652. Thesis. Two course credits.** Investigation and report of an original research topic. Registration for this course must be accompanied by written permission of the Chairman of the Department.

Mr. Cooper and Staff.

CLASSICAL CIVILIZATION 502. Roman

Christmas Term - September 1971 to January 1972

HISTORY 541. Imperial Russia - Tuesday. An analysis of the political, economic, social, and religious development of Russia to 1881.

Mr. West.

HISTORY 554. Jacksonian America - Wednesday. An examination of political, social, economic and cultural aspects of the United States, 1824-1840, with primary emphasis on the development of the second party system and the historiographical controversies surrounding the concept of Jacksonian Democracy.

Mr. Spencer.

HISTORY 581. China in Revolution - Tuesday. Various aspects of 20th Century China: the nature of the Chinese revolution,

reaction and reform in the early 20th Century, nationalism and Republican China, the CCP and KMT, the People's Republic.

Mr. Oxnam.

****HISTORY 601. Seminar: The 12th Century - Monday.** Each student will select for a report a topic on some aspect of the 12th Century. Particular attention will be paid to bibliography of the period. Prerequisite: a course in the Middle Ages or permission of the instructor.

Mr. Downs.

****HISTORY 601A. Seminar: American Historiography - Thursday.** Special topics in the literature of American history, method and techniques of research.

Mr. Weaver.

****HISTORY 651-652. Thesis. Two course credits.** Investigation and essay on an original research topic. Registration for this course

must be accompanied by written permission from the Chairman of the Department.

Mr. Cooper and Staff.

Trinity Term – January 1972 to May 1972

HISTORY 507. The Roman Republic, 265-44 B.C. – Wednesday. A political, economic, and social survey of Roman history from the beginning of Rome's expansion overseas to the end of the Republic with emphasis on the Age of Cicero and Caesar.

Mr. Davis.

HISTORY 516. Reformation Europe – Wednesday. An examination of the religious, political and social life of Europe in the 16th and 17th Centuries with particular emphasis on the Reformation.

Mr. Painter.

HISTORY 551. The Colonial Period in American History – Thursday. A social and cultural history emphasizing the intellectual, religious, and economic developments.

Mr. Weaver.

HISTORY 564. America in the Age of Reform – Thursday. A seminar course examining the character of American reform movements

from Populism through the New Deal. Combining extensive reading in monographs, biographies, and periodical articles, with class discussion and short papers, students will study and evaluate various interpretations of the nature of reform in this period, utilizing Richard Hofstadter's *The Age of Reform* as the reference point for their analysis. Each student will have read Richard Hofstadter's *The Age of Reform* (Vintage paperback) prior to the first class meeting.

Mr. Sloan.

****HISTORY 602. Seminar: The 12th Century – Monday.** See description of History 601, Christmas Term. History 601 is not a prerequisite.

Mr. Downs.

****HISTORY 651-652. Thesis. Two course credits.** Investigation and report of an original research topic. Registration for this course must be accompanied by written permission of the Chairman of the Department.

Mr. Cooper and Staff.

ITALIAN

The courses in Italian literature in translation are designed particularly for students of history and of English literature. They are made available as a part of the activity of the Cesare Barbieri Center of Italian Studies.

LATIN LITERATURE AND CLASSICAL CIVILIZATION

Chairman and Graduate Adviser: PROFESSOR JOHN C. WILLIAMS

The uniqueness and strength of the program leading to the Master of Arts degree in Latin Literature and Classical Civilization lie in the fact that it combines grad-

uate training of high professional quality in the classical languages and literatures, while at the same time being designed primarily to meet the needs of secondary teachers who are not in a position to enroll in a full-time, year-round graduate school. The student thus enjoys advanced instruction in the languages and literatures through course offerings that are chosen and treated in such a way as to be of direct benefit to him in the classroom. The program, moreover, is available to any person who is qualified and interested in doing advanced study in Latin and classical civilization.

To be eligible as a candidate in this program an applicant must meet the general requirements for acceptance as a candidate for the Master's degree and show evidence of possessing sufficient competency in Latin to undertake study of the subject at the graduate level.

A candidate for the Master of Arts degree must complete a total of ten courses. A minimum of five courses involving analytical and interpretive reading of Latin authors in the original must be included in a candidate's program of study.

In addition, all degree candidates are required to complete successfully Latin 601-602: *History of Latin Literature*. This course (two course credits) should be taken at the end of a student's program of study.

The balance of a candidate's program, three courses, may include additional study in Latin literature, Greek, Greek and Roman history, classical civilization, or linguistics.

Because a major goal of the program is to increase facility in reading Latin, a diagnostic sight-reading test will be offered each session and required of all candidates in residence. This one-hour test will be given the second Wednesday of each session of the Summer Term. The results of these tests will not be recorded in the student's permanent record, but will serve as a guide for strengthening his command of the language. Groups of students and faculty often meet for informal, voluntary reading aloud of plays and orations in Latin, to provide further experience with the language outside the classroom.

Each candidate is required to pass a Comprehensive Examination. Under special circumstances and with permission of the Department Chairman, particularly well-qualified students will be permitted to substitute a thesis for the Comprehensive Examination. All candidates, however, must pass the sight translation section of the Examination.

The Comprehensive Examination will be administered once each year in mid-August. In 1971 the Examination will be held Wednesday, August 11 at 9:00 A.M. (first special author), Thursday, August 12 at 9:00 A.M. (Roman history and sight translation), and Friday, August 13 at 9:00 A.M. (second special author). Students planning to sit for these examinations should notify the Graduate Adviser in writing

no later than the beginning of the second week of the first term of the summer in which they expect to take the Examination.

It is recommended that candidates plan not to enroll in courses during the session of the Summer Term in which the Comprehensive Examination is to be taken. They will, however, be permitted to take one course at this time – with permission of the Department Chairman.

The courses in Latin and Classical Civilization are offered in the Summer Term only. However, candidates may take courses in Greek and Roman history and linguistics in the Christmas or Trinity Terms whenever they are available.

Courses in the Classics Program

Studies in Latin Literature

- | | |
|--|----------------------------|
| 501. Plautus and Terence | 509. Lucretius |
| 502. Catullus and Horace | 510. The Roman Love Elegy |
| 503. Cicero | 511. Roman Satire |
| 504. Livy | 512. Ovid |
| 505. Vergil: the <i>Aeneid</i> , Books I–VI | 513. Tacitus |
| 506. Vergil: the <i>Aeneid</i> , Books VII–XII | 514. Medieval Latin |
| 507. Vergil: <i>Eclogues</i> and <i>Georgics</i> | 521, 522. Special Readings |
| 508. Caesar and Sallust | |

Required Seminar

- 601–602. History of Latin Literature

Greek

- | | |
|---------------------------|-----------------------------|
| 101–102. Elementary Greek | 202. Homer |
| 201. Greek Prose | 301, 302. Advanced Readings |

Classical Civilization

- | | |
|---------------------------|------------------------|
| 201. Classical Humanities | 502. Roman Archaeology |
| 501. Greek Archaeology | 503. Special Topics |

Summer Term, 1971 – Session I, June 28 to July 30

LATIN 502. Catullus and Horace. Close literary analysis and study of selections from the poetry of Catullus and Horace. Prerequisite: a college minor in Latin.

8:30–10:00. Mr. J. Williams.

LATIN 507. Vergil: *Eclogues* and *Georgics*. The *Eclogues* and selected portions of the *Georgics* will be read. Emphasis will be placed on Vergil's poetic technique and on his adaptation of traditional forms.

11:00–12:30. Mr. Bradley.

36 / Departmental Programs

LATIN 509. Lucretius. Readings from the *de Rerum Natura*. Prerequisite: a college minor in Latin.

8:30–10:00. Mr. Bradley.

LATIN 511. Roman Satire. Selected satires of Horace, Juvenal, and Persius will be read, along with the *Apocolocyntosis* and some fragments of Lucilius. Emphasis will be laid on the development, themes and style of Roman satire and comparison of the satirists with one another.

11:00–12:30. Mr. Macro.

LATIN 521. Linguistics. An introduction to the study of comparative and descriptive linguistics as they relate to the Latin language. Special emphasis will be given to those aspects of linguistics which will be of particular value to secondary school teachers of Latin. Prerequisite: a college minor in Latin.

1:30–3:00. Mr. Macro.

***LATIN 602. History of Latin Literature.**

Extensive readings, research projects and papers dealing with the main ideas and issues (literary, philosophical, and political) of the Roman Empire, as seen through its major writers in the various genres. This course, required of all candidates, may be elected by students either one year before they expect to take the Comprehensive Examination or in the year that they expect to take the Examination.

11:00–12:30. Mr. J. Williams.

GREEK 201. Intermediate Readings. Selections from prose and/or poetry. The content of this course is determined by the individual desires and needs of the student. Prerequisite: an elementary college course in Greek or permission of the instructor. This course may be taken for graduate credit toward the M.A. in Latin Literature and Classical Civilization.

Hours to be arranged. Mr. Elliott.

HISTORY 505. Greece, 594 to 338 B.C. (See page 31 for description and time.)

Summer Term, 1971 – Session II, August 2 to September 3

LATIN 501. Roman Comedy: Plautus and Terence. Through a close reading in class of the text of a play of Plautus and a play of Terence, outside reading of another play of each author and of critical works and through class discussion the course aims at building up a mastery of the language of Roman comedy, the basis for fluent reading, and an understanding of the literary genre with its subdivisions of farce and social comedy.

11:00–12:30. Mr. Edwards.

LATIN 503. Cicero. Selected letters and orations. Prerequisite: a college minor in Latin.

3:30–5:00. Mr. Edwards.

LATIN 505. Vergil: The Aeneid. The

course concentrates on a close analytical reading of parts of the epic. The emphasis is on the study of style and the details of Vergil's craftsmanship in all aspects of structure, from the sentence to the larger wholes, of imagery and of sound patterns.

11:00–12:30. Mr. Fenik.

LATIN 522. Survey of Latin Literature. An introductory course to give students an opportunity to understand the major trends and motifs in classical Latin literature. Prerequisite: a college minor in Latin.

8:30–10:00. Mr. Fenik.

CLASSICAL CIVILIZATION 502. Roman Archaeology. Backgrounds of Roman archaeology. Development of architecture, sculpture, painting and minor arts during

the Republic and Empire periods. Special effort will be made to link the material with historical events and with authors normally studied in Latin courses at the secondary

school level. Credit in this course will apply toward the M.A. in Latin Literature and Classical Civilization.

1:30–3:00. Mr. Stambaugh.

MATHEMATICS

Chairman and Graduate Adviser:

PROFESSOR WALTER J. KLIMCZAK

The Department of Mathematics offers a graduate program in mathematics which leads to the degree of Master of Science. It is designed for those who wish to supplement their training in mathematics and broaden their mathematical background.

The degree of Master of Science in mathematics is conferred upon students who have received a Bachelor's degree with an undergraduate concentration in mathematics and have successfully completed ten graduate courses in mathematics, or eight in mathematics and two in physics. The mathematics courses shall include either Mathematics 501 and 502 (*Introduction to Analysis I, II*) or Mathematics 503 and 504 (*Theory of Functions of a Real Variable I, II*), and three courses from the following six courses: Mathematics 507, 508 (*Theory of Functions of a Complex Variable I, II*), Mathematics 517 (*Topology*), Mathematics 518 (*Introduction to Algebraic Topology*), Mathematics 519 (*Modern Algebra*), Mathematics 520 (*Linear Algebra*).

Students who have not taken a course in advanced calculus will normally be required to take Mathematics 500, which is recommended for students in mathematics.

Candidates should note that they will not receive credit toward the Master of Science degree in mathematics for Mathematics 500 or 500A or 500B. A thesis is not required.

Before electing either Mathematics 501 or Mathematics 503, students must request the permission of the Graduate Adviser, preferably at the Graduate Advisers' Pre-registration Session on the evening of September 8.

Courses in the Mathematics Program

500. Advanced Calculus
500A. Advanced Calculus I
500B. Advanced Calculus II
501, 502. Introduction to Analysis I, II

503, 504. Theory of Functions of a
Real Variable I, II
505. Theory of Probability
506. Mathematical Statistics

38 / Departmental Programs

- 507, 508. Theory of Functions of a Complex Variable I, II
510. Introduction to Numerical Analysis
511, 512. Advanced Numerical Analysis I, II
514. Mathematical Logic
517. Topology
518. Introduction to Algebraic Topology
519. Modern Algebra

520. Linear Algebra
521. Vector Analysis
522. Vector and Tensor Analysis
523. Foundations of Mathematics
525, 526. Topics from Analysis
601. Introduction to Functional Analysis
603. Functional Analysis and Applied Mathematics

Summer Term, 1971 – Session I, June – July

MATHEMATICS 525. Complex Variables for Applications. June 1 to July 22. A course designed to expose the student to the fundamental ideas and results of complex analysis. Various applications will be considered throughout. Emphasis will be on comprehension rather than rigorous proofs. Topics covered: complex numbers; analytic

functions; Cauchy's theory; power and Laurent series; the calculus of residues; selected applications. Prerequisite: a course in Advanced Calculus.

An evening class, 7:00–9:30, Tuesday and Thursday, June 1 to July 22. McCook 305. Mr. Boyer.

Christmas Term – September 1971 to January 1972

MATHEMATICS 500A(1). Advanced Calculus I – Tuesday and Thursday, 7:00–8:15. This course is designed primarily for students in the physical sciences. Its purpose is to present topics of mathematics which are of common importance in various fields of applications. Among those included are infinite series, power series, solutions of differential equations, introduction to Laplace transform. Prerequisite: differential and integral calculus or permission of the instructor. This course may be taken for graduate credit but will not be credited toward the requirements for the Master's degree with a major in mathematics.

Mr. Grafton.

MATHEMATICS 501. Introduction to Analysis I – Monday and Wednesday, 7:00–8:15. An introductory course in the fundamental concepts of abstract analysis. Elements of logic and set theory, the real and complex number systems, fields, limits of

complex sequences, infinite series and products. Prerequisite: Permission of Graduate Adviser.

[Instructor to be announced.]

MATHEMATICS 507. Theory of Functions of a Complex Variable I – Monday and Wednesday, 7:00–8:15. A rigorous treatment of the theory of functions of a single complex variable. The algebra of complex numbers, analytic functions, complex integration, Cauchy integral theorem and formulas, power series. Prerequisite: Mathematics 502 or its equivalent.

Mr. Whittlesey.

***MATHEMATICS 517. Topology – Tuesday and Thursday, 7:00–8:15.** Sets and functions, metric spaces and metrizability, topological spaces and their maps, compactness, separation, connectedness. Prerequisite: Mathematics 500 or its equivalent.

Mr. Whittlesey.

MATHEMATICS 520(1). Linear Algebra – *Tuesday and Thursday, 7:00–8:15.* Finite dimensional vector spaces, linear functionals and dual spaces, linear transformations and matrix representations, rank, multilinear

forms and determinants, proper values and canonical forms, module theory. Prerequisite: Mathematics 500 or its equivalent.

Mr. Bennett.

Trinity Term – January 1972 to May 1972

MATHEMATICS 500B. Advanced Calculus II – *Tuesday and Thursday, 7:00–8:15.* Vector analysis, topics in higher dimensional calculus, solutions of partial differential equations, introduction to analytic functions of a complex variable. Cauchy integral theorem and formulas. Prerequisite: Mathematics 500A.

Mr. Grafton.

MATHEMATICS 502. Introduction to Analysis II – *Monday and Wednesday, 7:00–8:15.* Further topics in abstract analysis. The topology of metric spaces, introduction to analytic functions. Prerequisite: Mathematics 501.

[Instructor to be announced.]

MATHEMATICS 508. Theory of Functions of a Complex Variable II – *Monday and Wednesday, 7:00–8:15.* The expansion of analytic functions in series, poles, essential singularities, contour integration, the calculus of residues, analytic continuation, conformal mapping, entire functions. Prerequisite: Mathematics 507.

Mr. Whittlesey.

MATHEMATICS 510. Introduction to Numerical Analysis – *Tuesday and Thursday, 7:00–8:15.* An introduction to the methods of numerical analysis. Among the topics discussed will be round-off error, interpolation, solution of systems of nonlinear equations, numerical integration, matrix inversion, and the numerical solution of ordinary differential equations. The theoretical basis of these

methods will be stressed. It is assumed that the student is familiar with matrix methods. Prerequisite: Mathematics 500 or its equivalent.

Mr. Bennett.

MATHEMATICS 514. Mathematical Logic – *Monday and Wednesday, 7:00–8:15.* An introductory course in the fundamental concepts of mathematical logic with emphasis on the formal properties of logical systems. Prerequisite: Mathematics 500 or its equivalent.

Mr. Poliferno.

MATHEMATICS 518. Introduction to Algebraic Topology – *Tuesday and Thursday, 7:00–8:15.* Simplicial and singular complexes, their homology and cohomology groups. Homotopy groups. Prerequisite: Mathematics 517 or permission of the instructor.

Mr. Whittlesey.

MATHEMATICS 519(2). Modern Algebra – *Tuesday and Thursday, 7:00–8:15.* Topics selected from the following: Groups: subgroups and normal subgroups, factor groups, the homomorphism theorems, permutation groups and Cayley's theorem, Jordan-Hölder theorem and chain conditions, Sylow theorems. Rings: integral domains, principal ideal rings, division rings, prime factorization. Fields: finite fields, polynomial rings, algebraic extensions, splitting fields. Prerequisite: Mathematics 500 or its equivalent.

Mr. Berger.

MODERN LANGUAGES

Chairman: PROFESSOR MICHAEL R. CAMPO

Graduate Adviser for French: PROFESSOR ROBERT P. WATERMAN

Graduate Adviser for Spanish: PROFESSOR GUSTAVE W. ANDRIAN

The program leading to the Master of Arts degree in French or in Spanish is designed to provide the candidate with a good knowledge of French or Spanish literature and literary analysis, and an understanding of the culture and civilization of the nation concerned. Although designed especially for secondary school teachers or prospective teachers of French or Spanish, the program is appropriate for any person who is qualified and interested in doing advanced study.

To be eligible as a candidate for the Master of Arts degree in either French or Spanish, an applicant must meet the general requirements for acceptance as a candidate for the Master's degree and show evidence of possessing sufficient competence in French or in Spanish (usually the equivalent of a college major) to undertake study of the subject at the graduate level. All courses, with but few exceptions, are conducted in the language.

Programs of study in French and Spanish are planned on an individual basis but candidates are normally required to take a total of ten courses and pass a Comprehensive Examination. Of the total of ten courses, one must be in civilization and culture and one in applied linguistics. A literature course may be substituted for linguistics or civilization when similar work has previously been taken. Students who have demonstrated outstanding ability to do independent research may elect, with permission of the Department Chairman, to substitute a thesis in lieu of two courses in literature and the Comprehensive Examination.

Comprehensive Examinations in French and Spanish literature are held about the first of October and of May. Each examination is oral, approximately one hour in length, during which the candidate will speak on a prepared topic, as well as be asked questions on the literature of the language. Students planning to take the examination should notify the adviser in writing no later than one month prior to the test date.

Although the program is designed primarily for summer study, the Department offers usually two courses in French and two courses in Spanish for graduate credit in each semester of the regular academic year. It is, therefore, possible to complete the requirements for the Master's degree in a minimum of one academic year and two summers.

Courses in the Modern Languages Program

French

- 501. Linguistics
- 502. Stylistics
- 503, 504. Civilization and Culture
- 505. Masterpieces of French Literature
- 507, 508. Studies in French Classicism
- 509, 510. Studies in the Eighteenth Century
- 511. Studies in Romanticism
- 512. Studies in Realism and Naturalism
- 513, 514. Studies in Lyric Poetry

- 515, 516. Studies in Drama
- 517, 518. Studies in Fiction
- 519. Proust and Gide
- 520. Existentialism
- 521. Renaissance Prose and Poetry
- 523. Literary Criticism
- 528. Studies in the Short Story
- 530. The Literature of Negritude
- 532. Studies in Medieval Literature

Spanish

- 501. Linguistics
- 502. Stylistics
- 503, 504. Civilization and Culture
- 505. Masterpieces of Spanish Literature
- 506. Cervantes
- 507, 508. Studies in the *Siglo de Oro*
- 509, 510. Studies in the Nineteenth Century
- 511. The Generation of '98
- 513, 514. Studies in the Twentieth Century
- 515, 516. Studies in Spanish American Literature

- 517. Masterpieces of Spanish American Literature
- 518. The Spanish American Novel
- 519. Medieval Spanish Literature
- 521. Studies in Sixteenth Century Humanism
- 525. Studies in the Short Story
- 526. Methods of Literary Criticism and Research
- 527. Studies in the Drama
- 528. Colonial Spanish Literature

Summer Term, 1971 – Session I, June 28 to July 30

FRENCH 505. Methods of Literary Criticism. A study of the methods of approaches to literary analysis and criticism, with specific application to French masterpieces selected from the principal genres.

11:00–12:30. Mr. Morphos.

FRENCH 507. Non-Dramatic Literature of the Seventeenth Century. The development of French classicism from Malherbe to the *Querelle des anciens et des modernes*. Other writers will include Descartes, Pascal, La Rochefoucauld, Mme de Sévigné, Mme de La Fayette, La Fontaine and La Bruyère.

1:30–3:00. Mr. Fitz.

FRENCH 521. Renaissance Prose and Poetry. Humanism of the sixteenth century, with a study principally of the works of Marot, Rabelais, Montaigne, and the poets of the *Pléiade*, particularly Ronsard and DuBellay.

3:30–5:00. Mr. Morphos.

FRENCH 532. Studies in Medieval Literature. A study of the epic and lyric poetry, and of the prose of the Middle Ages, including the *Chanson de Roland*, the *roman breton*, the *fabliaux*, and dramatic literature. Modernized versions, alongside the original whenever possible, will be used.

8:30–10:00. Mr. Fitz.

42 / Departmental Programs

SPANISH 501. Applied Linguistics. The course will stress a scientific approach to the structure of the Spanish language, but will also insist on all practical aspects which can be of use in the teaching of the language. It will include as well advanced composition.

8:30–10:00. Mr. Correa.

SPANISH 514. Contemporary Spanish Literature. Spain's most recent literary production. Writers to be considered include poets: Alonso, Hierro, Celaya, Cernuda, Felipe and

Blas de Otero; and novelists: Cela, Delibes, Ayala, Quiroga and Sánchez Ferlosio.

1:30–3:00. Mr. Metzidakis.

SPANISH 520. Medieval Spanish Literature. A study of four major works: *Poema de Mio Cid*, *Milagros de Nuestra Señora*, *Libro de buen amor*, and *La Celestina*. These works will be studied in their original texts together with modern Spanish versions.

11:00–12:30. Mr. Correa.

Summer Term, 1971 – Session II, August 2 to September 3

FRENCH 502. Stylistics. Définitions: qu'est-ce que la stylistique? Quels sont ses buts et ses moyens? Stylistique et correction: exercices de composition. Stylistique et ressources expressives de la langue: analyse d'une pièce de théâtre contemporain. Stylistique et originalité littéraire: étude d'un romain du dix-huitième siècle.

8:30–10:00. Mr. Garaud.

FRENCH 508. Seventeenth Century Drama. Vue d'ensemble sur le théâtre au XVIIème siècle: son importance dans la vie littéraire, ses rapports avec la société, son histoire, ses principes esthétiques. La tragédie: Corneille et Racine. La comédie: Molière. Vers une définition nuancée du classicisme.

11:00–12:30. Mr. Garaud.

SPANISH 515. Studies in Spanish American Poetry. Analysis of the principal movements of Spanish-American poetry, from Modernismo to the present time. Some of the poets to be discussed include Darío, Neruda, Paz, Borges, and Parra.

1:30–3:00. Mr. Hortas.

SPANISH 517. Methods of Literary Criticism. A study of the methods of approaches to literary analysis and criticism, with specific application to Spanish-American masterpieces selected from the principal genres.

11:00–12:30. Mr. Hortas.

Christmas Term – September 1971 to January 1972

FRENCH 515. French Laughter: Comedy from Adam de la Halle to Anouilh – Wednesday. A chronological study of the genre and such influences as Aristophanes, Plautus, Terence, the Italian Renaissance, and the *commedia dell'arte*. Authors such as Jodelle, Larivey, Corneille, Racine, Lesage, Marivaux, Beaumarchais, Musset, Labiche, Courteline,

Romains, Pagnol, and Giraudoux. The dominant place of Molière will be referred to but not emphasized in this course.

Mr. Waterman.

FRENCH 517. Studies in Fiction – Tuesday. A study and analysis of realism and naturalism in France in the Nineteenth Century

as exemplified by selected novels of Stendhal, Balzac, Flaubert, and Zola. Lectures, discussions, reports and papers.

Mr. Pretina.

SPANISH 513. Literature of Two Generations: 1915 and 1927 – Tuesday. A study of the novel, essay, drama, and poetry of some of the greatest writers following the Generation of '98. Among others, the following will be read: the philosophical essay of Ortega y Gasset, the novels of Ramón Pérez de Ayala and Gabriel Miró, the poetry of Juan Ramón Jiménez and of the Generation of 1927 (Sa-

linas, Guillén, etc.), and the drama of García Lorca.

Mr. Andrian.

SPANISH 526. Methods of Literary Criticism and Research – Thursday. A study of the methods and approaches to literary criticism, analysis, and research as specifically applied to Hispanic literature. Attention will also be devoted to the literary history of Spain. This course is particularly recommended for those who are beginning their graduate studies in Spanish at Trinity College.

Mr. Kerson.

Trinity Term – January 1972 to May 1972

FRENCH 513. French Poetry of the Nineteenth Century – Tuesday. A study of the major poets of the 19th Century. Attention will also be paid to poetic theory and manifestoes of the times. Poets to be studied include Hugo, Heredia, Rimbaud, Nerval, Baudelaire, Verlaine, Mallarmé, and Laforgue.

Miss Katz.

SPANISH 508. Ideas on Society in Golden Age Prose – Tuesday. Government and society as envisioned from idealistic, satirical, political and moral viewpoints in the pastoral and picaresque novels and in treatises on the ideal ruler. *Lazarillo de Tormes*, Monte-

mayor, Quevedo, Gracián, and others will be studied.

Mr. Quirk.

SPANISH 531. The Modern Spanish American Novel and Short Story – Thursday. A detailed study of the prose fiction of a selected number of authors, including Azuela, Barrios, Gallegos, Lynch, Yáñez, Asturias, Fuentes, García Márquez. In addition to the works studied, attention will be devoted to sociopolitical aspects and problems of modern Spanish America.

Mr. Kerson.

PHILOSOPHY

Chairman: ASSOCIATE PROFESSOR RICHARD T. LEE

Graduate Adviser: ASSOCIATE PROFESSOR DREW A. HYLAND

The Master of Arts program in philosophy is designed with two principal purposes in mind: to provide a solid foundation in philosophy for those students who wish to continue work toward a Ph.D. at some other institution, and to enable anyone, whether he wishes to continue his formal studies or not, to come to

44 / Departmental Programs

know in some depth both the nature and achievements of philosophical inquiry as well as the extent of his own talents as a philosopher. For those who intend to continue work toward the Ph.D. a strong emphasis on the history of philosophy is recommended. For any student, moreover, the department will make available a certain number of individual tutorials should the course offerings over a two or three-year period not suit his particular needs or requirements.

It is not necessary for students who are interested in the M.A. program to have majored in philosophy as an undergraduate. Ability and motivation are the principal requirements. Persons interested in taking courses in this program should feel free to request a conference with a member of the department in order to obtain more detailed information.

To qualify for the Master's degree the student must complete ten courses, eight of which must be in philosophy, including Philosophy 651-652: *Thesis*. No specific course or sequence of courses is required, but candidates should seek the advice of the Department Chairman or Graduate Adviser in planning their program of study. Registration in courses from other departments which are to be applied toward the degree requirements in philosophy must be approved in advance by the department.

Courses in the Philosophy Program

- 500. Problems in Philosophy
- 501. Pragmatism
- 504. Philosophy and Revolution
- 505. Logic
- 506. Advanced Logic
- 507. History of Philosophy I
- 508. History of Philosophy II
- 509. Ethics
- 510. Philosophy of Art
- 512. 19th Century Philosophy

- 513. Philosophy of Recent Drama
- 515. Existentialism
- 530. Philosophy and Science
- 543. Aristotle
- 547. Hume and Kant
- 548. Whitehead
- 549. Continental Rationalism
- 551. Plato
- 651, 652. Thesis

Summer Term, 1971 – Session I, June 28 to July 30

PHILOSOPHY 510. Philosophy of Art. This course will begin with an examination of various answers to the questions why is there art or what is the role of art in human experience. In the course of this investigation, various traditional problems in the philosophy of art will be considered such as the nature of art, truth and belief in art, the rela-

tion of art to the expression of feelings or emotions, and the nature and justification of criticism. The course will conclude with a study of art as exemplifying a general theory of symbolic systems, thus relating modes of art to the symbolic processes of science and language in general.

11:00–12:30. Mr. Brown.

PHILOSOPHY 513. The Philosophy of Recent Drama. This course is a detailed study of philosophical implications of representative plays by some of the most important playwrights of recent decades. The conviction behind the course is that modern drama has consistently provided us with profound insights into the moral, political, and metaphysical plight of men in the twentieth century; and that it has raised, artistically and imaginatively, some of the same questions that have been raised in modern philosophy, particularly existentialist philosophy. In addition to reading plays by Beckett, Genet, Sartre, Weiss, Brecht, Ionesco, Pinter, Osborne, and Albee, students will read selections from various existentialist philosophers having a direct bearing on the dramatic

works (and the approach taken toward them), as well as selected philosophical-dramatic criticism of the plays studied. No particular philosophical background is required. A fairly lively interest in literature, particularly dramatic literature, in theater, and in the exploration of philosophical implications of literary works, are strongly recommended.

1:30-3:00. Mr. Schlosberg.

****PHILOSOPHY 651-652. Thesis.** Conference hours by appointment. Intensive inquiry into a special area of philosophy under the direction of a member of the Department. See *Degree Requirements*.

Staff.

Summer Term, 1971 – Session II, August 2 to September 3

PHILOSOPHY 504. Philosophy and Revolution. An examination of the philosophic bases of revolutionary thought will be attempted in this course. Modern writers of rather different persuasions such as Reinhold Niebuhr, Herbert Marcuse, Frantz Fanon and Hannah Arendt will be read, along with more traditional figures such as Karl Marx. All readings and discussions will be conducted with an eye to the current American situation, and with the hope that some sense can be made of it.

1:30-3:00. Mr. R. T. Lee.

PHILOSOPHY 509. Ethics and the Crisis in Rational Judgment. If one characterizes ethical nihilism as the conviction that one cannot know what is good or cannot decide what to do in a way that is supported by rational argument, then there is some reason

to think that our present cultural position is nihilistic. This course will attempt to describe this current condition and decide whether or not it is either authentic, or valuable, or neither. We shall discuss some particular ethical problems such as the nature of violence, sexual practices and the obligations we have to children, and the competing demands of individual liberty and social order. At least two important figures in the history of ethics, Kant and Mill, will be studied in conjunction with these ethical problems.

11:00-12:30. Mr. R. T. Lee.

****PHILOSOPHY 651-652. Thesis.** Conference hours by appointment. Intensive inquiry into a special area of philosophy under the direction of a member of the Department. See *Degree Requirements*.

Staff.

Christmas Term– September 1971 to January 1972

PHILOSOPHY 505. Logic – Tuesday and Thursday, 7:00-8:30. An introduction to de-

ductive logic. After a survey of traditional logic, including a discussion of fallacies and

46 / Departmental Programs

the syllogism, the course concentrates on modern developments: truth functions, quantification theory, and proof theory. Attention will also be given to philosophic problems connected with these developments.

Mr. DeLong.

PHILOSOPHY 549. Continental Rationalism – Wednesday. Concentrated reading in selected works of Descartes, Spinoza, and Leibniz. The historical emphasis will be placed on the way in which Descartes initiated the age of modern philosophy and how this beginning was consolidated in the work of Spinoza and Leibniz. In addition these philosophers will be read as men who said a great many things that are both true and important, and are therefore worth studying out of a simple regard for what is the case.

Mr. R. T. Lee.

PHILOSOPHY 551. Plato – Monday. An intensive study will be made into several of the so-called “minor” or “early” dialogues of Plato. We shall concentrate on an understanding of the conception of philosophy that underlies these dialogues, and on the relevance of the discussion of such virtues as self-control, friendship, and courage both to Plato’s “later” philosophy and to our own times. The *Charmides*, *Lysis*, and *Laches* will be given special attention. Permission of instructor.

Mr. Hyland.

****PHILOSOPHY 651–652. Thesis.** Conference hours by appointment. Intensive inquiry into a special area of philosophy under the direction of a member of the Department. See *Degree Requirements*.

Staff.

Trinity Term – January 1972 to May 1972

PHILOSOPHY 512. 19th Century Philosophy – Tuesday. A study of the conflicting trends of thought in the 19th century following the emergence of Hegel as the dominant thinker after Kant. The approach will be to consider Hegel’s philosophy of history, Marx’s “economic” development of it, and the reaction against systematic philosophy in the writings of Kierkegaard and Nietzsche. The course will also consider the crisis in European culture as perceived by 19th century writers, and the way in which that perception underlay these conflicting positions.

Mr. Schlosberg.

PHILOSOPHY 530. Philosophy and Science: The Historical Background – Monday. Beginning with the Scientific Revolution of the 16th and 17th centuries, this course will trace the growth and articulation of philosophy of science as a response to developments in natural science. In addition to the rise of classical physics following the Copernican Revolution, one or two other case studies in

physical science will be studied as background to the rise of modern philosophy of science. The emphasis of the course will be on the philosophy of science of the 19th and early 20th centuries, though some attention will be given to the earlier views of Hume and Kant. An attempt will be made to trace the origin and development of modern views of scientific explanation, the nature of laws, theories, confirmation and models. The course will conclude with a study of the relation of the history and philosophy of science, focusing on different views of the history of science and their import for different philosophical approaches to science.

Mr. Brown.

****PHILOSOPHY 651–652. Thesis.** Conference hours by appointment. Intensive inquiry into a special area of philosophy under the direction of a member of the Department. See *Degree Requirements*.

Staff.

PHYSICS

Acting Chairman: ASSOCIATE PROFESSOR CHARLES MILLER

Graduate Adviser: PROFESSOR ROBERT LINDSAY

1. *The Physics Graduate Program*

The program in physics leading to the Master of Science degree is designed for engineers, mathematicians, physicists in industry, and others who desire further training in mathematical physics and knowledge of recent developments in the atomic and sub-atomic fields.

The physics courses are planned to follow an undergraduate concentration in physics and mathematics. Ten courses are required for the Master's degree. A thesis is not required. A student may take, for credit, no more than two courses from the group: Physics 500; Mathematics 500, 500A and 500B. Although no one particular set of courses is specified, students are required to take Physics 501, 502, two courses from the group: Physics 503, 504, 511, 512, and at least two additional courses in physics beyond Physics 500. Remaining courses must be in physics or mathematics. Approved RPI courses may be counted as physics courses beyond Physics 500 in accordance with the joint plan described in Section 2. Students who apply for candidacy for the Master's degree in physics will be reviewed by the Graduate Committee only after they have completed one course in physics at Trinity beyond Physics 500. Students who are planning to become degree candidates are normally expected to begin their course work with Physics 501. In order to be admitted to this course all students are required to pass a qualifying examination administered by the Department. The test will be administered on Thursday evening, September 9, 1971 at 7:00 P.M. in Room 102, McCook Center. The examination will include general principles of physics and their mathematical formulation. Suggested references for review are: Resnick and Halliday, *Physics I and II*, and F. W. Constant, *Theoretical Physics*. Students who do not pass the qualifying examination will be required to complete Physics 500 before taking 501. Students who are extremely well prepared in theoretical physics will be considered by the Department for exemption from the Physics 501, 502 requirements. Such students will be required to take at least six courses in physics beyond 502. Students who are uncertain as to whether they have qualitatively satisfied the prerequisites of a course should discuss their academic preparation with members of the Physics Department, preferably at the Graduate Advisers' Session.

2. *Trinity College - RPI Hartford Graduate Center Joint Plan*

Trinity College and the Hartford Graduate Center of the Rensselaer Polytechnic Institute have established a joint plan for granting credit in graduate courses. This

plan applies to the M.S. in Physics degree program at Trinity and the M.S. in Engineering Science with option in Physics and Nuclear Engineering at RPI. To receive the Master of Science degree under this plan, a student must complete a minimum of ten courses, of which at least six courses must be taken at one institution, hereafter called the home institution. The student may take up to four approved courses at the other institution. Each student is admitted at either RPI or Trinity according to each institution's procedures and regulations. If a student desires to change his home institution, he must apply for transfer of his program not later than upon completion of his fourth graduate course. A student with graduate course credits from institutions other than Trinity and RPI will be subject to the present rules on transfer credits at the institution which becomes his home institution. Such a student will be expected to take at least six courses at the home institution.

The RPI courses which have been approved for credit towards the M.S. degree in Physics at Trinity are listed under the Courses of Instruction in this catalogue. For approval of cross registration, Trinity students must consult Dr. Robert Lindsay of Trinity College.

Courses in the Physics Program

- | | |
|--|--------------------------------------|
| 500. Fundamental Principles of Physics | 511, 512. Modern Physics |
| 501, 502. Classical Mechanics | 513, 514. Quantum Mechanics |
| 503, 504. Electricity and Magnetism | 519, 520. Solid State Physics |
| 505. Mathematical Physics | 601, 602. Research |
| 507. Electromagnetic Theory of Light | RPI H 16.31, H 16.32. Modern Physics |
| 508. Statistical Mechanics | |

Summer Term, 1971 – Session I, June – July

PHYSICS 507. Modern Topics in Optics – June 7 to July 29. A study of some topics in physical optics which are of interest as new developments or applications. Material studied will include spatial Fourier optics, coherence, both spatial and temporal, and non-

linear optics. Some of the applications will be to spatial filtering, optical data processing, holography, harmonic generation, and modulation of light beams.

An evening class, 7:00–9:30, Monday and Wednesday, June 7 to July 29. Mr. Miller.

Christmas Term – September 1971 to January 1972

PHYSICS 501. Classical Mechanics I – Tuesday and Thursday, 7:00–8:15. The concepts of mass, force and energy, Lagrange's equations, and the central force problem.

Emphasis is placed on the fundamental hypotheses of the physical theory and their expression in various mathematical forms. Prerequisite: at least two courses in physics and

two in mathematics, including a course in mechanics. All students desiring to enroll in Physics 501 will be required to pass successfully a qualifying examination. This test will be administered on Thursday evening, September 9, 1971, at 7:00 p.m. in Room 102, McCook Center. The examination will include general principles of physics and their mathematical formulation. Suggested references for review are: Sears and Zemansky, *University Physics*, and F. W. Constant, *Theoretical Physics*. Students who do not pass the qualifying examination will be required to complete Physics 500 and Mathematics 500A and/or 500B before taking Physics 501. Those who receive a grade of Distinction in this test will be exempted from taking Physics 501, 502.

PHYSICS 503. Electricity and Magnetism I – *Monday and Wednesday, 7:00–8:15.* Electrostatics, magnetostatics, time varying

electromagnetic fields and Maxwell's equations, plane electromagnetic waves, wave guides and resonant cavities, multipole radiation. Prerequisite: Physics 501, 502 or an equivalent course in mechanics.

PHYSICS 508. Statistical Mechanics – *Monday and Wednesday, 5:00–6:15 p.m.* Equilibrium statistical mechanics, both quantum and classical. Use of partition functions. Relationship of statistical mechanics to thermodynamics. Applications will be mainly to independent particle systems, although some interacting particle systems will be considered. Prerequisites: Physics 501, 502 or equivalent, and a course in atomic physics.

RPI PHYSICS H16:32. Modern Physics II

RPI PHYSICS G33:61. Topics in Plasma Electronics.

(For further information, consult the RPI Hartford Graduate Center.)

Trinity Term – January 1972 to May 1972

PHYSICS 500. Fundamental Principles of Physics – *Monday and Wednesday, 5:00–6:15.* The course is designed to help prepare those who wish to take graduate courses in physics, but who have not completed an undergraduate major in physics. The mathematical formulation of the fundamental principles of physics will be reviewed with special emphasis on mechanics and electromagnetism. Familiarity with the calculus, differential equations and vector notation will be developed through the analysis and solution of the problems.

PHYSICS 502. Classical Mechanics II – *Tuesday and Thursday, 7:00–8:15.* A continuation of Physics 501. Dynamics of rigid bodies, special relativity, Hamilton's equa-

tions, and small oscillations. Prerequisite: Physics 501.

PHYSICS 504. Electricity and Magnetism II – *Monday and Wednesday, 7:00–8:15.* Relativistic particle dynamics, collisions between charged particles, radiation from accelerated charges, multipole fields, radiative reaction and plasmas.

PHYSICS 509. Nuclear Physics – *Monday and Wednesday, 5:00–6:15 p.m.* The physics of the nucleus including structure of nuclei, static and dynamics of nuclear states, inter-nucleon forces and Meson theory, nuclear reactions, nuclear disintegration and models of the nucleus. Prerequisites: Physics 501, 502, and a course in atomic physics.

Graduate Physics – Projected Courses, 1972 – 1973

Summer 1972

PHYSICS 517. Plasma Physics

Christmas Term 1972–1973

PHYSICS 501. Theoretical Physics I

PHYSICS 511. Modern Physics I

PHYSICS 519. Solid State Physics

Trinity Term 1972–1973

PHYSICS 500. Fundamental Principles of
Physics

PHYSICS 502. Theoretical Physics II

PHYSICS 512. Modern Physics II

PHYSICS 520. Solid State Physics II

POLITICAL SCIENCE

Chairman: PROFESSOR SAMUEL HENDEL

Graduate Adviser: PROFESSOR REX C. NEAVERSON

The program leads to a Master of Arts degree in Political Science. It has attracted candidates from such fields as education, law, religion, and the civil service. Candidates for the degree should normally hold a Bachelor's degree in one of the social sciences or in history. However, a candidate who majored in another area as an undergraduate will be considered. The Department passes upon the eligibility of all applicants.

Candidates for the Master of Arts degree are required to complete a total of ten courses, of which eight will normally be in the Department, including Political Science 651-652 *Thesis*. Courses taken outside the Department must be approved by the Graduate Adviser.

New students ordinarily are required to take Political Science 501: *Introduction to Political Science* as the first course in their program of study. This course is offered in the Christmas Term each year. Those who enter as students in the Trinity Term will be permitted to start their study with another political science course provided they have the approval of the Graduate Adviser and provided also that they take Political Science 501 as the second course in their program.

Students who have an adequate undergraduate background in political science or who have other satisfactory qualifications may ask permission to omit Political Science 501.

Students who do not intend to become candidates for the Master's degree in Political Science but who wish to take courses offered by the Department may do so without completing Political Science 501 provided they have the permission of the Graduate Adviser and of the Office of Graduate Studies.

The topic for the Master's thesis should be selected only after consultation with the Graduate Adviser.

Courses listed in the undergraduate catalogue at the 300 and 400 levels may be taken for graduate credit with the permission of the Graduate Adviser and course instructor.

Courses in the Political Science Program

- | | |
|---|---|
| 501. Introduction to Political Science | 517. Government and Politics of Latin America |
| 502. American National Government | |
| 504. American Political Thought | 519. Comparative Politics of the Third World |
| 506. The Politics of Confrontation | |
| 508. Totalitarian Government and Politics | 521. International Politics |
| 509. Congress and the Legislative Process | 522. International Law |
| 511. Public Administration | 523. International Organization |
| 512. Urban Politics | 532. Comparative Politics |
| 513. American Political Parties | 533. Political Ideologies |
| 514. American Constitutional Law | 580. Government and Politics of Asia |
| 515. American Foreign Policy | 621. Independent Study |
| | 651-652. Thesis |

Summer Term, 1971 - Session I, June 28 to July 30

POLITICAL SCIENCE 512. Urban Politics. Emphasis will be upon the politics of environmental decision-making. The following questions will be raised: What is the nature of the political system of the core city and how does this system relate to the political systems of national, state, and sub-local organizations? What political resources are available for attacking environmental problems? What are the relationships between partisan politics and environmental decision-making? Is it possible to develop alternative models for implementing environmental policies?

The course will have three phases. Phase I (July 2, 5, 7, 9, 12, 14, 16) will consist of lectures and discussions. Phase II (July 17-

August 12) will be devoted to independent research projects associated with Phase I. Phase III (August 13, 16, 18, 20, 23, 25, 27) will be used for formal presentation of projects. Guest critics, who are specialists in Urban and Environmental problems will participate in the final phase. Graduate students admitted by permission of graduate adviser and instructor.

An evening class meeting 7:00-10:00 p.m. on July 2, 5, 7, 9, 12, 14, 16, and on August 13, 16, 18, 20, 23, 25, 27. Mr. McKee.

For further information contact Professor McKee at 527-3151, ext. 318 or 413.

POLITICAL SCIENCE 533. Political Ideologies. An historical and philosophical ex-

52 / Departmental Programs

amination of contrasting conceptions of state action and political activism in modern western thought. The social, cultural, and historical bases for political theory in nineteenth and twentieth century Europe. The role of ideas and intellectuals in times of revolution. Theoretical materials will include works of Rousseau, Marx, Nietzsche, Freud, Merleau-Ponty, Tocqueville, and Mill. Prerequisite: Political Science 501.

An evening class meeting 6:30-9:30 p.m. on June 28, 29, July 1, 6, 8, 13, 15, 19, 20, 22, 26, 27, 29. Mr. Robinson.

Christmas Term – September 1971 to January 1972

POLITICAL SCIENCE 501. Introduction to Political Science – Monday 6:00-9:00 p.m. A general introduction to the study of political science, its scope and methods. The course will be organized as follows: 1. The history and development of Western political theory and its influence on the growth of constitutional government; 2. The impact of the French and industrial revolutions on political theory and a brief introduction to some contemporary political ideas; 3. The major types of governmental organization: an introduction to comparative government and the application of concepts and techniques of political analysis to modern political systems; 4. Analysis of contemporary tensions and conflicts on the international scene. Completion of this course with a satisfactory grade is a prerequisite for admission to candidacy for the degree of Master of Arts in government. See regulations above.

Mr. Neaverson.

POLITICAL SCIENCE 506. The Politics of Confrontation – Wednesday. A discussion of the techniques and issues of "confrontation politics" including civil disobedience, violence, compensatory treatment for blacks, the role of the university, ROTC on campus,

****POLITICAL SCIENCE 621. Independent Study.** Individual research on a selected topic under the guidance of a department member. Permission granted to specially qualified candidates only. Not a substitute for the thesis course. May be taken once only.

Staff.

****POLITICAL SCIENCE 651-652. Thesis.** Conference hours by appointment. Two course credits. Investigation and report of an original research project. See *Degree Requirements*.

Staff.

student power, women's liberation, and a professional or conscript army.

Mr. Hendel.

POLITICAL SCIENCE 515. American Foreign Policy – Tuesday. An examination of the principles and major factors that have guided and influenced the formulation and execution of American foreign policy in the post-World War II period. The position paper approach to foreign policy analysis will be emphasized.

Miss P. Lee.

POLITICAL SCIENCE 519. Comparative Politics of the Third World – Monday. A comparative study of political patterns and social forces in the developing states of the non-western world and an examination of domestic and foreign policy interactions of selected countries in the Third World.

Mr. Gastmann.

****POLITICAL SCIENCE 621. Independent Study.** Individual research on a selected topic under the guidance of a department member. Permission granted to specially qualified candidates only. Not a substitute for the thesis course. May be taken once only.

Staff.

****POLITICAL SCIENCE 651-652. Thesis.** Conference hours by appointment. *Two course credits.* Investigation and report of an

original research project. See *Degree Requirements.*
Staff.

Trinity Term – January 1972 to May 1972

POLITICAL SCIENCE 504. American Political Thought – Monday. The main currents of American political thought from the Colonial Period to the present time. Reading is mostly from original sources.
Mr. Jacobson.

POLITICAL SCIENCE 508. Soviet Political Institutions – Wednesday, 7:00-10:00. (Formerly Totalitarian Government and Politics.) An analysis of the origins and nature of the Soviet system; the roles of the party, government, bureaucracy, military; the accomplishments and weaknesses of the system; the prospects of continuity and change.
Mr. Hendel.

POLITICAL SCIENCE 511. Details to be announced.

POLITICAL SCIENCE 521. International Politics. – Tuesday. Basic aspects of world

politics; the elements of national power and the techniques and politics of conflict resolution and accommodation in the modern international system.

Mr. Gastmann.

****POLITICAL SCIENCE 621(2). Independent Study.** Individual research on a selected topic under the guidance of a department member. Permission granted to specially qualified candidates only. Not a substitute for the thesis course. May be taken once only.
Staff.

****POLITICAL SCIENCE 651-652. Thesis.** Conference hours by appointment. *Two course credits.* Investigation and report of an original research project. See *Degree Requirements.*
Staff.

Faculty and Administration

THEODORE D. LOCKWOOD, PH.D.
EDWIN P. NYE, SC.M.
CAROLE M. LAWSON, B.S.

President
Dean of the Faculty
Executive Secretary,
Graduate and Summer Studies

GUSTAVE W. ANDRIAN, PH.D.
ROBERT A. BATTIS, PH.D.
JOHN H. BENNETT, PH.D.
RICHARD P. BENTON, PH.D.
THOMAS BERGER, PH.D.
THEODORE R. BLAKESLEE II, M.S.
EUGENE J. BOYER, M.A.
JAMES R. BRADLEY, PH.D.
W. MILLER BROWN, PH.D.
LLOYD CALVERT, M.A.
KENNETH W. CAMERON, PH.D.
GEORGE B. COOPER, PH.D.
GUSTAVO CORREA, PH.D.

Yale University

JOHN A. DANDO, M.A.
EUGENE W. DAVIS, PH.D.
MARTIN G. DECKER, ED.D.
HOWARD DeLONG, PH.D.
NORTON DOWNS, PH.D.
LeROY DUNN, PH.D.
SAMUEL K. EDWARDS, M.A. (OXON.)
Allegheny College
FRANCIS EGAN, JR., M.A.

Professor of Modern Languages
Professor of Economics
Lecturer in Mathematics
Associate Professor of English
Assistant Professor of Mathematics
Associate Professor of Engineering
Instructor in Mathematics
Assistant Professor of Classical Languages
Assistant Professor of Philosophy
Lecturer in Education
Associate Professor of English
Northam Professor of History
Visiting Professor of Modern Languages, Spanish

Professor of English
Professor of History
Associate Professor of Education
Associate Professor of Philosophy
Professor of History
Associate Professor of Economics
Visiting Associate Professor of
Classical Languages
Instructor in Economics

THOMAS G. ELLIOTT, PH.D.

University of Toronto

DONALD B. ENGLE, M.A.

GAR FAIRBANKS, ED.D.

Superintendent of Schools, Rocky Hill, Conn.

BERNARD C. FENIK, PH.D.

Princeton University

BREWSTER E. FITZ, M.A.

Yale University

CHRISTIAN GARAUD, DOCTORAT DE TROISIÈME CYCLE

University of Massachusetts

NEIL H. GARSTON, A.B.

ALBERT L. GASTMANN, PH.D.

SAMUEL HENDEL, PH.D.

CARLOS R. HORTAS, PH.D.

Yale University

DREW A. HYLAND, PH.D.

GARY C. JACOBSON, M. PHIL.

DORI KATZ, PH.D.

ARNOLD L. KERSON, PH.D.

WALTER J. KLIMCZAK, PH.D.

DIRK KUYK, PH.D.

M. CURTIS LANGHORNE, PH.D.

PAMELA R. LEE, M.A.

RICHARD T. LEE, PH.D.

ANTHONY D. MACRO, PH.D.

CLYDE D. MCKEE, JR., PH.D.

J. BARD McNULTY, PH.D.

PHILIP METZIDAKIS, PH.D.

Swarthmore College

CHARLES R. MILLER, PH.D.

PANOS MORPHOS, PH.D.

Tulane University

RICHARD K. MORRIS, PH.D.

REX C. NEAVERSON, PH.D.

GEORGE E. NICHOLS III, M.F.A.

ROBERT B. OXNAM, PH.D.

BORDEN W. PAINTER, JR., PH.D.

MARIO J. POLIFERNO, PH.D.

*Visiting Assistant Professor of
Classical Languages and Ancient History
Librarian and College Professor
Visiting Professor of Education*

*Visiting Associate Professor of
Classical Languages*

*Visiting Assistant Professor of
Modern Languages, French*

*Visiting Associate Professor
of Modern Languages, French*

Instructor in Economics

Associate Professor of Political Science

Professor of Political Science

*Visiting Associate Professor of
Modern Languages, Spanish*

Associate Professor of Philosophy

Instructor in Political Science

Assistant Professor of Modern Languages

Associate Professor of Modern Languages

*Seabury Professor of Mathematics and
Natural Philosophy*

Assistant Professor of English

Professor of Psychology

Instructor in Political Science

Associate Professor of Philosophy

Assistant Professor of Classical Languages

Associate Professor of Political Science

James J. Goodwin Professor of English

*Visiting Associate Professor of Modern Languages,
Spanish*

Associate Professor of Physics

*Visiting Professor of Modern Languages,
French*

Professor of Education

Professor of Political Science

Professor of Theatre Arts

Assistant Professor of History

Associate Professor of History

Associate Professor of Mathematics

56 / Faculty

JAMES L. POTTER, PH.D.
MICHAEL J. PRETINA, JR., PH.D.
RONALD J. QUIRK, M.A.
GLEN ROBINSON, M.A.
PHILIP SAIF, PH.D.

Fairleigh Dickinson University

RICHARD SCHEUCH, PH.D.
JED SCHLOSBERG, B.A.
THOMAS H. SKIRM, M.ED.
EDWARD W. SLOAN III, PH.D.
PAUL SMITH, PH.D.
J. RONALD SPENCER, M.A.
JOHN E. STAMBAUGH, PH.D.

Williams College

H. MCKIM STEELE, JR., PH.D.
THOMAS J. STEFFANCI, M.A.
RANDALL W. TUCKER, M.B.A.
ROBERT P. WATERMAN, PH.D.
GLENN WEAVER, PH.D.
JAMES L. WEST, M.A.
JAMES H. WHEATLEY, PH.D.
E. FINLAY WHITTLESEY, PH.D.
JOHN C. WILLIAMS, PH.D.
RALPH M. WILLIAMS, PH.D.

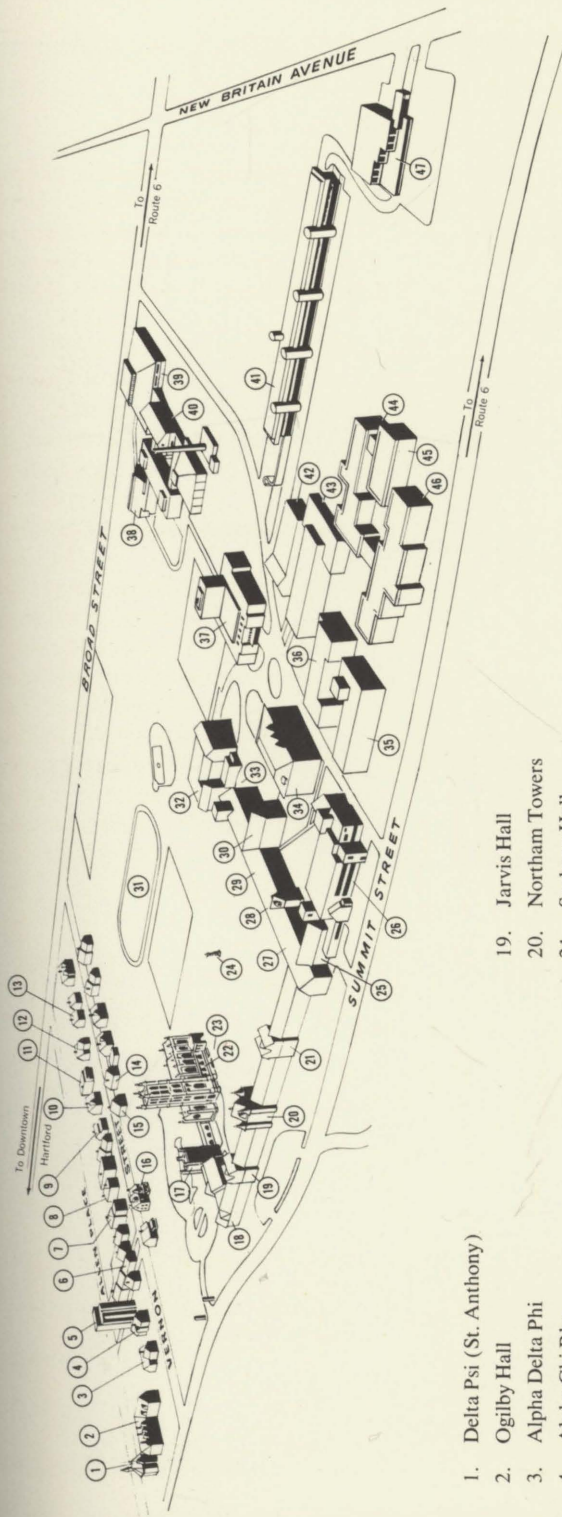
Associate Professor of English
Assistant Professor of Modern Languages
Instructor in Modern Languages
Visiting Instructor in Political Science
Visiting Assistant Professor of Education

G. Fox and Company Professor of Economics
Instructor in Philosophy
Lecturer in Education
Associate Professor of History
Professor of English
Instructor in History
Visiting Assistant Professor of Classical Languages
Associate Professor of History
Instructor in Economics
Associate Professor of Economics
Professor of Modern Languages
Associate Professor of History
Instructor in History
Associate Professor of English
Professor of Mathematics
Professor of Classical Languages
Professor of English



Map of Trinity College

Hartford, Connecticut



1. Delta Psi (St. Anthony)

2. Ogilby Hall

3. Alpha Delta Phi

4. Alpha Chi Rho

5. High Rise Dormitory

6. North Campus Dormitory

7. Delta Kappa Epsilon

8. Pi Kappa Alpha

9. The Black House

10. Sigma Nu

11. Theta Xi

12. Phi Kappa Psi

13. Delta Phi

14. Alumni and Public Information Offices

15. Psi Upsilon

16. The President's House

17. Downes Memorial Clock Tower

18. Williams Memorial (Administrative Offices)

19. Jarvis Hall

20. Northam Towers

21. Seabury Hall

22. The College Chapel

23. Funston Garden

24. Bishop Brownell Statue

25. Hamlin Hall

26. Mather Hall (Student Center)

27. Cook Dormitory

28. Woodward Dormitory

29. Goodwin Dormitory

30. Clement Chemistry Building (Kriebel Auditorium)

31. Jessee Field

32. The Library

33. Funston Court

34. Boardman Hall

35. Elton Hall

36. Jones Hall

37. Austin Arts Center (Goodwin Theatre)

38. George M. Ferris Athletic Center

39. Memorial Field House

40. Trowbridge Memorial Pool

41. Albert C. Jacobs Life Sciences Center

42. Hallden Engineering Laboratory

43. McCook Math-Physics Center

44. Jackson (B) Dormitory

45. Smith (C) Dormitory

46. Wheaton (A) Dormitory

47. Buildings and Grounds